

FOIA b 7 - 23005550

<220>  
<221> SITE  
<222> (4340)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4341)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4342)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4343)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4344)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4345)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4346)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4347)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4348)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4349)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4350)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4351)  
<223> n equals a,t,g, or c

T02T60" 22005650

<220>  
<221> SITE  
<222> (4352)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4353)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4354)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4355)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4356)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4357)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4358)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4359)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4360)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4361)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4362)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4363)  
<223> n equals a,t,g, or c

<220>

T00T60"22005650

<221> SITE  
<222> (4364)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4365)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4366)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4367)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4368)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4369)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4370)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4371)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4372)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4373)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4374)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4375)  
<223> n equals a,t,g, or c

<220>  
<221> SITE

FOIA b 7 - D

<222> (4376)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4377)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4378)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4379)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4380)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4381)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4382)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4383)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4384)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4385)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4386)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4387)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4388)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4389)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4390)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4391)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4392)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4393)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4394)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4395)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4396)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4397)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4398)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4399)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4400)

<223> n equals a,t,g, or c

T02T60-28005550

<220>  
<221> SITE  
<222> (4401)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4402)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4403)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4404)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4405)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4406)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4407)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4408)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4409)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4410)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4411)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4412)  
<223> n equals a,t,g, or c

"T.02T.60" 28005660

FILED "2005550

<220>  
<221> SITE  
<222> (4413)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4414)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4415)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4416)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4417)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4418)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4419)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4420)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4421)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4422)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4423)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4424)  
<223> n equals a,t,g, or c

<220>

<220>  
<221> SITE

<222> (4437)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4438)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4439)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4440)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4441)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4442)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4443)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4444)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4445)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4446)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4447)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4448)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4449)

FOIA b 7 - DEXTER



FOIA b 5 - 2800550

<220>  
<221> SITE  
<222> (4462)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4463)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4464)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4465)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4466)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4467)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4468)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4469)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4470)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4471)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4472)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4473)  
<223> n equals a,t,g, or c

FOIA b 7 - 2200550

<220>  
<221> SITE  
<222> (4474)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4475)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4476)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4477)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4478)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4479)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4480)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4481)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4482)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4483)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4484)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4485)  
<223> n equals a,t,g, or c

<220>

FOIA b 7 - 28905560

<221> SITE  
<222> (4486)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4487)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4488)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4489)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4490)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4491)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4492)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4493)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4494)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4495)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4496)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4497)  
<223> n equals a,t,g, or c

<220>  
<221> SITE

T03T50"2300550

<222> (4498)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4499)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4500)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4501)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4502)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4503)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4504)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4505)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4506)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4507)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4508)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4509)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4510)



T02T60"28005550

<220>  
<221> SITE  
<222> (4523)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4524)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4525)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4526)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4527)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4528)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4529)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4530)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4531)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4532)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4533)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4534)  
<223> n equals a,t,g, or c

FOIA b 7 - 28005560

<220>  
<221> SITE  
<222> (4535)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4536)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4537)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4538)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4539)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4540)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4541)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4542)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4543)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4544)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4545)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4546)  
<223> n equals a,t,g, or c

<220>

T02T60"23005550

<221> SITE  
<222> (4547)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4548)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4549)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4550)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4551)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4552)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4553)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4554)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4555)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4556)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4557)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4558)  
<223> n equals a,t,g, or c

<220>  
<221> SITE

FOIA b 7 - D

<222> (4559)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4560)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4561)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4562)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4563)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4564)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4565)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4566)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4567)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4568)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4569)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4570)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4571)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4572)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4573)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4574)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4575)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4576)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4577)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4578)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4579)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4580)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4581)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4582)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4583)

<223> n equals a,t,g, or c

FOI b7D "28005560"

FOIA b 7 - D2005560

<220>  
 <221> SITE  
 <222> (4584)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4585)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4586)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4587)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4588)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4589)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4590)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4591)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4592)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4593)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4594)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4595)  
 <223> n equals a,t,g, or c

FOIA b 7 - 2800556

<220>  
<221> SITE  
<222> (4596)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4597)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4598)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4599)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4600)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4601)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4602)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4603)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4604)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4605)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4606)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4607)  
<223> n equals a,t,g, or c

<220>



T02T60" 28005660

<222> (4620)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4621)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4622)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4623)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4624)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4625)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4626)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4627)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4628)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4629)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4630)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4631)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4632)

FOIA b 7 - D

<223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4633)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4634)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4635)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4636)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4637)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4638)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4639)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4640)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4641)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4642)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4643)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4644)  
 <223> n equals a,t,g, or c

T03T50 23005550

<220>  
<221> SITE  
<222> (4645)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4646)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4647)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4648)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4649)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4650)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4651)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4652)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4653)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4654)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4655)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4656)  
<223> n equals a,t,g, or c

00005660

<220>  
 <221> SITE  
 <222> (4657)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4658)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4659)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4660)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4661)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4662)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4663)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4664)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4665)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4666)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4667)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4668)  
 <223> n equals a,t,g, or c

<220>



TOTAL 2300550

<222> (4681)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4682)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4683)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4684)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4685)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4686)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4687)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4688)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4689)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4690)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4691)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4692)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4693)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4694)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4695)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4696)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4697)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4698)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4699)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4700)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4701)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4702)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4703)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4704)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4705)

<223> n equals a,t,g, or c

FOIA b 7 - 2800550

FOIA b 7 - D

<220>  
<221> SITE  
<222> (4706)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4707)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4708)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4709)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4710)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4711)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4712)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4713)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4714)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4715)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4716)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4717)  
<223> n equals a,t,g, or c

Exhibit 60-2800560

<220>  
<221> SITE  
<222> (4718)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4719)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4720)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4721)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4722)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4723)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4724)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4725)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4726)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4727)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4728)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4729)  
<223> n equals a,t,g, or c

<220>





TELETYPE

<223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4755)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4756)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4757)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4758)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4759)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4760)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4761)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4762)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4763)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4764)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4765)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4766)  
 <223> n equals a,t,g, or c

TOCT60-28005660

<220>  
<221> SITE  
<222> (4767)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4768)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4769)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4770)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4771)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4772)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4773)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4774)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4775)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4776)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4777)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4778)  
<223> n equals a,t,g, or c

FOIA b 7 - 2300555

<220>  
<221> SITE  
<222> (4779)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4780)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4781)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4782)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4783)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4784)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4785)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4786)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4787)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4788)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4789)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4790)  
<223> n equals a,t,g, or c

<220>

T06T60"23005660

<221> SITE  
 <222> (4791)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4792)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4793)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4794)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4795)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4796)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4797)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4798)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4799)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4800)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4801)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4802)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE



<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4816)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4817)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4818)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4819)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4820)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4821)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4822)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4823)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4824)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4825)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4826)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4827)

<223> n equals a,t,g, or c

TELETYPE

FOIA b 7 - DEDUPLICATION

<220>  
 <221> SITE  
 <222> (4828)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4829)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4830)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4831)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4832)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4833)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4834)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4835)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4836)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4837)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4838)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4839)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4840)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4841)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4842)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4843)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4844)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4845)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4846)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4847)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4848)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4849)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4850)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4851)  
 <223> n equals a,t,g, or c

<220>

TOP SECRET

FOIA b 7 - D

<221> SITE  
<222> (4852)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4853)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4854)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4855)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4856)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4857)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4858)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4859)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4860)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4861)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4862)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4863)  
<223> n equals a,t,g, or c

<220>  
<221> SITE

<222> (4864)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4865)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4866)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4867)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4868)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4869)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4870)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4871)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4872)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4873)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4874)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4875)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4876)

FILED "2005560"



<220>  
 <221> SITE  
 <222> (4889)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4890)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4891)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4892)  
 <223> n equals a,t,g, or c

<400> 2034  
 tattnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300  
 nnnntgagat agaattctcac tctgttgccc aggctggggt gcagtgggtgc gatctcagct 360  
 cccacacaacc tctgcctcca gggttcaagc aattctcctg cctcagcctc ctgagtatct 420  
 gggattacag gcatgcacca ctacgcttg ctaatttttg tatttttagt agagacgggg 480  
 tttcaccatg ttggccaggc tggctcttgaa ctctgacct cagggtgattc gcccgccttg 540  
 gcctcccaaa gtgctgggat tacaggcatg agccaccgtg cctggctgaa agttcatttt 600  
 caatagcata gtccagacca ttttttttct aaatgtgcta ccagaatcaa agaaataata 660  
 acattccatt aaaacaaata aaatggcatt aaattaaatg ttctgcataa ttaagagcc 720  
 ctgaccaatt ttagtctttt tttttttttt gagacagagt ctactgtgt cgcccaggct 780  
 ggagtgcagt ggtacgatct tggctcactg cagcctccac ctctgggtt caagtgattc 840  
 tcctgcctca acctcccag cagctgggat tacaggcatg tgccaccata cctggctaata 900  
 ttttatatct ttagtagaga tggggtttca ccatgttggc caggctggtc tcaaactctt 960  
 gacctcaggt gatctgccc cctcgccctc ccaaagtgtc ggcattacag gcatgagtca 1020  
 ctgcgcctgg cctagtctat tattaacaaa taaaaatttt aatacataaa aatggatgga 1080  
 tattttctag agccttaatt aagtaattca ctccaaatgt cttttttttt ttttttttta 1140  
 gctagtaagt ggagacactt tgaacatgg tgcttaaaaa aaaacacact acctacctgg 1200  
 tgggctgttt catggtgaaa taacttatct tgtataattt gaatgcaatt cagatactat 1260  
 gtagatgtta aaaagctaag ttaacataaa atgtacatca tgaaacgtca ccttacttga 1320  
 cggcattaat acattttttt cactaaaata cttgtaacca tggccatcag tatgaagaaa 1380  
 aatttttaac acgatgaaag gtggaaacgt ttcacctcta aatctgaaat aaagataaaa 1440  
 atttagttat ttggcatcag gttttgggct cagttgcttt tcccccttat acttaagata 1500  
 gttcatatag tttcttgcat acagggtaaa ggctatgtca gagcatgtaa agaactggta 1560  
 atgaaatgga tcacatagga tgtaagacc acactttggt gtactcacia ctattctcat 1620  
 acctgtgtaa gactgaatac agaattgggag atgagagcta ctctcatggc aacttttagc 1680  
 cacagagtca tgctcggtt tctttacata acaaatgtaa ataagaataa cacatttact 1740  
 ttgtaattaa gttctgagaa gttacaagaa tttaaaaaat ccataatctaa gatttcctca 1800  
 tattaactaa gtacttcttg aaataaatca gcatagatac attacctgaa tctaatttta 1860  
 cactgcatag taggatcctt aataagctta gcctctaagg gggccacttt cttcagtatt 1920  
 tcatgtgtta catagaattc ctgaaataaa ggacagtgtc gtaaaaggaa agcagtatcc 1980  
 caccagaca caatttatgg actataacag aggcaacgtg gtaaagttaa cattatgctg 2040  
 gacttggagt tctgaagggg tgggtttttt ttttggcacc tccacttact atctgtgtag 2100  
 ccttgagcca gttacttaat cattttggcc tccaactttg gttatctgtc ctttttagag 2160  
 atcaaaggca ctattatttc cctatgacag cacttttcac aatatattat aattacttat 2220  
 caacttgtct gtgcctccta ctgactgtga agcttcatga aggtagggat ggtggctttt 2280  
 ctctttacca ctatattcct agcatctaata acagtgcctg gaacacagca gatgcttaag 2340

095008-0300

aagtatttgt	tgaatgaatc	actgtaagat	gaggatgata	atagtaataa	gttactagct	2400
tttaagcacc	ttttatgtac	catatactac	tatgttaggt	gccttatata	cattagctca	2460
tttaatcctt	acatcagcaa	cactatgaga	atTTTTtTgt	tgTTTTgaga	cagagtctcg	2520
ctccgtcgcc	caggctcgag	tgCGTggca	tgatctcggc	tcaactgcaac	ctccgcctcc	2580
caggttcaag	cgattctcct	gcctcagcct	cccgagtagc	tgggactaca	ggcacctgcc	2640
accacgcccc	gctaattttg	tattttttca	gtagagacgg	ggtttcacca	tattggccag	2700
gctggcctgg	aactcctgac	cttgtgagcc	gcacgcctca	gcctcccaaa	gtgctgggat	2760
tacaggtgtg	agccaccact	caggctgcag	tgcaatggca	tgatctcggc	tcaccgcaac	2820
ctccacctcc	caggttcaag	tgattctcct	gctcagcctc	ctgagtagct	ggaattacag	2880
gcatgcgcca	ccatgcctgg	ctaattttgt	atttttaata	gagatggggg	ttcttcatgt	2940
tggtcaggct	ggctctcgagc	tcccgcattc	aggtgatcca	ccgcctcag	cctcccaaag	3000
tgctgggatt	acaggcgtga	gccactgcac	ctggccatt	atgagaatat	tatcacgcct	3060
attttacaga	tgagaaggct	gaggctcagg	gaatttttgt	aatttataaa	aaggcataca	3120
ggtagtgaat	ggggaagcca	ggattcattt	agttctgttt	gactctaaag	tcccaactct	3180
ttcccccaaa	caaccccaac	caaccccggt	atgcctatga	taatcacata	aaaatgtaca	3240
ctaaagagct	tttaggctgg	gcactgcggc	tcacgcctat	aatcctggca	ctttggggagg	3300
ccaaagcggg	aggatcacct	gagggtcaaga	gttcgagacc	aacctgggtca	acatggtgaa	3360
accccatctc	tactaaaaat	acaaaaatta	gccaggcggtg	atggcaggcg	cctgtagtcc	3420
aagctattttg	ggaggctgaa	gcaggagaat	cgctgaacc	cgggaggcag	aggttgccagg	3480
gagccgagat	cgtgccactg	cactccagcc	tggtgacag	agcaagactc	tgctcaaaat	3540
aaataaataa	atagcttttta	aaaggacaaa	gcattattaa	tttaagggtat	taaagtatta	3600
ctataacaga	taaaaaagaa	tttccttctg	ttacaaaagt	ctaaaaatac	tatgaaacca	3660
gcattataaaa	attaaataca	agttccatat	tcaaagacaa	tggataatag	acctgaaatg	3720
ccaggagttt	acctgggttg	gttttctctg	aagtattcag	acggagtctt	gctctgtcgc	3780
ccaggctgga	gtgcagtggc	tcaaactcgg	ctcactataa	cctccacctc	cccgggtcaa	3840
ggtagctggg	attacaggcg	cacaccacca	tgcccggcta	atttttttgt	atttttagga	3900
gagacggggg	attcaccatg	gtgaccggac	tggtctcgaa	ctnnnnnnnn	nnnnnnnnnn	3960
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	4020
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	4080
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	4140
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	4200
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	4260
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	4320
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	4380
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	4440
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	4500
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	4560
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	4620
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	4680
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	4740
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	4800
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	4860
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnaaaaaaa	aattagctgg	gcattggcggc	4920
acgcacctgt	agtcccgagc	actagggagg	cggaggcagg	ataatccctt	gaacctgggt	4980
ggtggagggt	gcagtgcagg	aagatcatgc	ccctgcactc	cagcctgggc	aacagagtga	5040
gacttcatct	caaaaaagaa	aagaaaaaaa	agagtatcac	taataata		5088

&lt;210&gt; 2035

&lt;211&gt; 1191

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2035

aaaaaatgta	agctgaaatg	atgacgtggt	cttttagaag	gtttatcata	gcaactacta	60
taggcagtga	ttctaagaag	atgctattct	ttttttccat	tgctttgtct	agtttttttt	120
ttttaaatct	gtttttgtgc	cttttgtaatt	ctagggttat	tggtatagtt	ctcaccatat	180
cttgaataca	gatgcttttt	ccttttgaaa	taattttctca	taaagcacat	tgcttatagc	240
tgcttccctt	ttcccagagt	agtaaaagtt	gtgatacaag	acagtgatat	cagctgggag	300
tggtggcaca	cgctgttaat	cccagcacgt	tgggaggcca	aggcaggcag	atcacttgag	360
gccaggagtt	cgagaccagc	ctggccaaca	tggtgaatcc	ccgtctctac	taaaaaataca	420

cacaaaaaat	tagctgggtg	tggtgggttg	tgctgtagt	cccagctact	cgaggaggctg	480
aggcacgaga	attgcttgaa	ccagggaggt	ggaggttgca	gtaagctgag	attgcaccac	540
tacactccag	cctgggtgac	agaacgagac	tctgtctcag	aaaaaaaaaa	aaagagacaa	600
tgatatgaaa	aggtcttaca	tgaatgagtt	ttacgcatga	ttcaatctgt	aagtcctata	660
aattattttt	gatggatggt	atctattttc	ttcctattag	tagtttgggg	caaaaataaa	720
tttaactgaa	tgtaaaaata	ttcagctcta	tggggagctg	agaagaacta	aatattttca	780
gacacttggt	atgtgcaggt	tgtttggcat	atatttttaa	aaatctttat	aataccattt	840
tgaattaaat	tctatcccca	tttaacaaat	gaggaggtgg	tttctattct	taagtaactt	900
tcccaaaatc	actcaattaa	gtggcaaggg	tgggatttaa	atcgaagcct	atactctttc	960
acttgttttc	aaagatgcc	aactcaaaat	gtggctaaac	agtaaactct	gagcaaagaa	1020
atgatttact	aggaagcagc	acaatagaac	atactggatg	taggaaatgt	tatatatctt	1080
gatctcattg	gtggtaacac	aagtatatat	atatgaaaaa	gttagtttta	tccttactgt	1140
tagtactcag	tgctcttatt	attcctcaaa	aatgaaaaaa	aaagtaaaaa	a	1191

&lt;210&gt; 2036

&lt;211&gt; 1192

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2036

aaaaaatgta	agctgaaatg	atgacgtggt	cttttagaag	gtttatcata	gcaactacta	60
taggcagtg	ttctaagaag	atgctattct	ttttttccat	tgcttgggtc	agtttttttt	120
tttaaaactc	tgttttgggt	ccttggtaat	tctaggggtta	ttggtatagt	tctcaccata	180
tcttggatac	agatgctttt	tcctttggaa	ataatttctc	ataaagcaca	ttgcttatag	240
ctgcttccct	tttccagag	tagtaaaagt	tgtgatacaa	gacagtgata	tcagctgggc	300
gtggtggcac	acgcctgtaa	tcccagcacg	ttgggaggcc	aaggcaggca	gatcacttga	360
ggccaggagt	tcgagaccag	cctggccaac	atggtgaatc	cccgtctcta	ctaaaaatac	420
acacaaaaaa	ttagctgggt	gtggtggttt	gtgcctgtag	tcccagctac	tcgggaggct	480
gaggcacgag	aattgcttga	accagggagg	tggaggttgc	agtaagctga	gattgcacca	540
ctacactcca	gcctgggtga	cagaacgaga	ctctgtctca	gaaaaaaaaa	aaaagagaca	600
atgatattga	aaggtcttac	atgaatgagt	tttacgcatg	attcaatctg	taagtcctat	660
aaattatttt	tgatggatgg	tatctatttt	cttctatta	gtagttttgg	gcaaaaataa	720
atttaactga	atgtaaaaat	attcagctct	atggggagct	gagaagaact	aaatattttc	780
agacacttgt	tatgtgcagg	ttgtttggca	tatatattta	aaaatcttta	taataccatt	840
ttgaattaaa	ttctatcccc	atttaacaaa	tgaggaggtg	gtttctattc	ttaagtaact	900
ttcccaaaat	cactcaatta	agtggcaagg	gtgggattta	aatcgaagcc	tatactcttt	960
cacttgtttc	caaagatgcc	aaactcaaaa	tgtggctaaa	cagtaaatct	tgagcaaaga	1020
aatgatttac	taggaagcag	cacaatagaa	catactggat	gtaggaaatg	ttatatatct	1080
tgatctcatt	ggtggtaaca	caagtatata	catatgaaaa	agttagtttt	atccttactg	1140
ttagtactca	gtgctcttat	tattcctcaa	aatgaaaaaa	aaaagtaaaa	aa	1192

&lt;210&gt; 2037

&lt;211&gt; 228

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2037

tcgaggtcag	gagattgaga	ccatcctggc	taacatggtg	aaaccccatc	tctactaaaa	60
atacaaaaaa	aattagccgg	gcgtgggtgg	gggagcctgt	agtcccagct	actcgggagg	120
ttgaggcagg	agaatggcgt	gaacctggga	ggcggagctt	gtagtgagcc	aagatcatgc	180
cactgcactc	cagcctgggc	gacagagcga	gactccgtct	caaaaaaa		228

&lt;210&gt; 2038

&lt;211&gt; 711

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2038

```

aggagatgaa actagagatt tgtgccaaat tgtgaaaggc cttgactgcc ttgcttcttg      60
ctaaacagtg gaatttatca acccactgag acaaagtcag ttaagatttt tgagccttcc      120
atatatttag ctgcttatat ttaatgtctt gtctttaaaa ataacacgta tgacttggtg      180
tttgcacatg tttgcatata taactttatt gaagttaggt gcttctactg attgactttg      240
actttttgtt cacaaaaata tagggatctt gatttatgac tggaccactt aatgtattaa      300
tttgcactgt gttatatcct aaacttttaa aactactcat gactaatgtc ttccaccaa      360
ctgttaccta cgaactttct aaagaaatgt gtgacaaagg cgtgattagt ttcatttgct      420
ctgccatttt tagctgtata tgtgataaaa catgttttaa tacatctctt ttaacttcg      480
attttatttg gaatttttga atgagctggt tgtttgtttt taagcaaagt aattggagtg      540
aactttcttt gattcccagg ttttcttttt tccccctttt tcttttttta ttgcattggt      600
agatgcaggg caagaaattt attactctaa atttgtgact cagaatttta aaactaaatt      660
aacttcataa atgcgctcac ttttttctta atgcattacg tctaaccccc a          711

```

&lt;210&gt; 2039

&lt;211&gt; 374

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

```

<400> 2039
cctctctcta caagatggta taaaatttag tattatttta aagaaataat acctagcagc      60
agtaacctgg cagcccaaag gctgtatatg gcccgtagat gtgtatatatt atgtattttg      120
tatcagcatt taaaactagg agattttgta ttaaaaataca acatttagat ttgttgga      180
aattttaaaaa gtctgacaaa actgtacctt tatagtactc ctttatagga gtcagaggct      240
ggagtcaagt gttaactgtg ttggacttgc ttttcagitt gacagttcat ggtatgccaa      300
cacctagggt gtttttcagt tgccatttat tatcatatgt gctctgctgc ttttcttacg      360
atagagaaac atgt                                     374

```

&lt;210&gt; 2040

&lt;211&gt; 710

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

```

<400> 2040
aggagatgaa actagagatt tgtgccaaat tgtgaaaggc cttgactgcc ttgcttcttg      60
ctaaacagtg gaatttatca acccactgag acaaagtcag ttaagatttt tgagccttcc      120
atatatttag ctgcttatat ttaatgtctt gtctttaaaa ataacacgta tgacttggtg      180
tttgcacatg tttgcatata tactttattt aagtttaggt cttctactga ttgactttga      240
ctttttgttc acaaaaaatat agggatcttg atttatgact ggaccactta atgtattaat      300
ttgcaactgt ttatatccta aactttttaa actactcatg actaatgtct ttcaccaa      360
tgttacctac gaactttcta aagaaatgtg tgacaaaggc gtgattagt ttcatttgct      420
tgccattttt agctgtatat gtgataaaac atgtttttaa acatctcttt ttaacttcga      480
ttttatttgg aatttttgaa tgagctgttt gtttgttttt aagcaaagta attggagtga      540
actttctttg attcccagggt tttctttttt cccctttttt ctttttttat tgcatggtga      600
gatgcagggc aagaaattta ttactctaaa tttgtgactc agaattttta aactaaatta      660
acttcataaa tgcgctcact tttttcttaa tgcattacgt ctaaccccca          710

```

&lt;210&gt; 2041

&lt;211&gt; 1646

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

```

<400> 2041
taaaaaaaga aaatacagta agtagccaca taaaccgctt ctagctgggt cactgggtcc      60
ccctgcttct tgtttattaa cggaatctgt tcaggggctc tagggctcag agctttaggg      120
gagctctgagc ccttctccag ccctgggggtg atgggtcttg attgatccag gtcaaattct      180
ccacagattt aattctggcc aatgaatatg agaagaaatg agaaggtgga aagggtgtct      240
agtctacttt ttgctgctat aataaaaaata ccaatacatg gggtaaatta taatgaagag      300
aaatttatct catggagttc tggaggctgg ggagtcccaa aatcaagggt ttggcatctg      360

```

2025-01-20 10:00:00

gtgaggagct	tcttgcctgc	caccccatgg	tggagggtgg	aagggcagaa	agagagagag	420
ggctggaggc	caataggtgg	ctgaactcat	ttttttatga	ggaaccact	cccataataa	480
cagcataaat	ccactcatga	gagcagagcc	cccatgaccc	aaccatttcc	cattaggtcc	540
tacctcccca	caccactgc	actggggatc	aagtttccaa	cacatggaac	tttgggagac	600
acattcacga	catagcagag	gaccactgga	gaaaggaagg	tttttaaaga	tttttttttag	660
gacactatgg	aagtgatagc	cattggacat	ggatggtgtt	tttgtttttg	gcatgggaaa	720
aggcttatac	aactctggtc	aacttggcaa	cactaatcaa	aagtcaaaat	ctcctttgac	780
cctagggatc	ccctactatt	aacagtatta	tatcttatag	aacctaggta	tttaggaaag	840
aaaaaaatgt	tcaaagatgt	attgacattt	aataaaagca	aataactgga	cataaccag	900
ctatccaaat	acaggctatc	aggaaacact	gtgaaggact	ttgaaatagg	tcttgccac	960
tgccccacc	cctgcctcca	attactgagt	gttctgtcta	atctagccca	cctttctgag	1020
ttgattccct	ttcatttcac	tgcctttgag	ctactttaca	attacgtaaa	ttaagggaaa	1080
ctgataatgc	agatgattct	tgttcataga	aatgc aaatt	gtgaccaatg	gaatataact	1140
gattattgtt	ctgcaggat	cagccaattt	tgccagtttt	gtaactacga	agcaaactca	1200
tttcagcatt	cctgctaggc	ttataattat	ttgttctttg	gattctcctt	tgagccaatt	1260
aaagtgtcct	actggttctc	tcaataatta	acaagttaa	tacaatcatc	tttaacatgt	1320
tacttttata	tttgtatgag	tcataatttt	aacttctaaa	aaaattatcc	tttaacaagg	1380
tagttaagta	aattttaatgt	tcattgtggt	taatttactt	agcagccctc	ttaaaacagt	1440
tataaaaacc	atatggcaac	agggacaaat	actcctgata	aaaatggcaa	gtgggggaaa	1500
aagcagaaat	gcaaaatttg	tactacgttg	tgattaaagc	taaacgttgt	aagtgttag	1560
ggcaagaaat	aggaaggaga	aaaaaaattg	aagttggatt	tgtttgttag	ggtggttaga	1620
tcttggatta	aaaaaaaaaa	acaaaa				1646

<210> 2042  
 <211> 510  
 <212> DNA  
 <213> Homo sapiens

<400> 2042						
gaggttcctc	ttcaaagact	ttcctccctg	tctaattaag	aataaatagt	aacttctctt	60
aggagcaaaa	cttattcaaa	gacctgtgct	aacattctta	aatatctgct	agccgtaata	120
aagaaatcaa	tgtactttat	gttcttagct	cccacaattt	agcctatttg	ccctggcaat	180
gcttatactg	gtccaagcaa	gcattagggtc	atagcctggt	cctcttcctt	atctgaagggt	240
gtttttacgt	ttctcagcat	tccacaagtt	acttcctcct	tcattctcct	ctgcctttgc	300
ctctttttaa	aagttctaag	ttgctagcca	atcaggacaa	atacagaatg	tgagggtccc	360
ttccagccaa	tggaaactgg	acacagcagt	aaagtggact	tgtcaagtta	taaatagccc	420
tgtctccttt	gttcggtgtt	ctctcgtggc	aaaactgctg	gcgagtgtac	cctttctgca	480
gaaagtataa	aaatgacctt	gctgaagaaa				510

<210> 2043  
 <211> 1972  
 <212> DNA  
 <213> Homo sapiens

<400> 2043						
tcaccaaca	atgttttttt	catgttgatc	actttactaa	agcgaacaat	tgggggtttta	60
ccaaaattgt	gaaggatttt	attcttccat	acttatgtct	gtgttcaggg	tcatacagat	120
tctacttttt	ccttttagtt	taagggtattc	tcttggagat	ttaatgtact	ttaaatttgac	180
cacaatttat	tgagagcata	ttctgtgtca	gacattgcac	tctgcactag	atattcagga	240
atttctaaaa	agaatgttaa	cattgctgtt	acatagtcag	ttactgatca	cattcttttc	300
ctctcaactt	ttttcaaaat	aggaatctgc	ggtatgtttt	cacgtatgga	gttcagggtca	360
ggcttagggg	tccttgacaa	tgtgaatagt	tttaagctgg	gcctcaattc	gtggtaccct	420
tatactaatt	taacaagccg	tggactctag	gttccaccaa	aaatattttg	ttccatcctc	480
tctgggtttca	gtccatgggtg	tacagaaaga	aaactaagga	acttcagccc	caaattgtca	540
aattttgcta	cttaagaaac	agaagattta	aatctatcat	tttgtcttat	attccagagt	600
tgactggttc	ctcctgtctt	taacttcttg	tccttgaagg	gtattctaat	tttcattcag	660
aaatatgact	tctcataggg	tttgtgttag	atattttcag	ggccagatgg	atatgatgtt	720
cccattttctg	ttttattgtt	aaactactat	tccttttgag	ctgtaatgaa	caattcattc	780
tgagaggcaa	tatatgtttt	cagtaattga	cttgaataaa	agtaaattgtt	aaacatggag	840

ttactaagtt aatacagtggt gtatttagtac taatttggtc aaattaagat agaattctta 900  
 atttgataaa tagaattctt atattacagc atcagtgcaa ttggattgat agtttgtaga 960  
 aaggtaattt cttacatgag gaaagacagg ttttctttct cttagcaagg tattaatgca 1020  
 aaaatgacct cttcatttcc taccagcttc cagaaggga atgctgggta ggaggtaa 1080  
 tcaatttact ctacaagcaa acttcacatc tgttatgctg aagtcagagt ttatctttct 1140  
 tgttatgtgg aacctagaaa tataccatga ggaatactga aaaataaact agcagaaatt 1200  
 ttgctgatg ctgaggattt ttagatggct gcaaaatggg tgaaagtaat ataaacttaa 1260  
 caaagaatgt tgtcacaact ctctggaact tagtactgtt tttcaactaa caaatggaag 1320  
 atttgtgaga ctaggtcgac ttaatgtgat ttcaatgcag taattactgt gtggcatggg 1380  
 catggtaaga gataggcctt ttctagaaat attctcatct ctgttttttt tagttgctct 1440  
 tacttagatt tatattaact cagcttcaca ttttcatctt tttttatttt attttaaca 1500  
 atgagaaaaa tactccacga tgtcactgat ttagttatca gatttgcttt atttctgtat 1560  
 ataataggta atgtgagtac aggaaatata tctgaaaagg ttacttgtag ctaaaatttta 1620  
 agttagatca tttaaaaatt acttataagt ctcttgagtg ttttatatag tagggcagat 1680  
 ggaaaaactt atttgatatt catttttggg acctcttagg aaaataattg ggaatgtatt 1740  
 cagttggaaa aaatgttgag aagagtgttt tatataatga ttatttagta aaacattaaa 1800  
 aataatttct tattctggag gtttatagac atcaaaattg acaaagattc atggattata 1860  
 catttcatca aggtaccttt aagcgatttt ttaaaaaaaa ttctgactct aacaatgcat 1920  
 gctcattgta gagcggttaa aatacaaaaa catgcaaaaag aaaaaattaa aa 1972

<210> 2044  
 <211> 105  
 <212> DNA  
 <213> Homo sapiens

<400> 2044  
 ttttttgtat ttttagtaaa gacgggggtt caccatgtta gccaggtctg tcttgatctc 60  
 ctgtctctgt gatcctcccg ccttggcctc ccaaagtgcg gggat 105

<210> 2045  
 <211> 949  
 <212> DNA  
 <213> Homo sapiens

<400> 2045  
 gtcattgttt agtgggggata atgacattgg catacctgct tgctagagtt aatgtgtggg 60  
 tcatgagata acgaatataa caaatatttg gaaaagtact atgttgaaat attttaaaat 120  
 aaaattttaa tccctcttca ttttagaaagg atttgaggca gctaaatgca gaggtgtaag 180  
 atgggttttt gggttaggatt gtttctgagc tgtgactctg tagtcacttt cttactcagc 240  
 cctgccactc agctgtattc ctctgtagct ctgggcagac gactctgaac acggcttcat 300  
 attggccttc catgagtggg tgaagggcat agtcatctgg cagttttacc tgctgttcta 360  
 tgcattgtct tccagcgctt gcttattttc cccttctgca aacattccat tcatgccatg 420  
 ggcattcagt acagtccctg aagcaagggt aggggcggca caccaggtgg atttaagcgc 480  
 aaagacagga cgactgcttt gccacaggcg cctttacagc cagcagtga cagttagaca 540  
 tattcacctt cctctagggt gaaaacagtc ctcttctcag tagccctctc atgttcttga 600  
 gacccatttg atataaataa caatgttgca ggaaatttcc tgaaggaaact gaaatgaacc 660  
 atagaaacga gatcattctt ttcctaccac acagctggga ttagactgct tagtttgtac 720  
 ttgcagcact tttgcagtat gggccgtatt aaaaaaaaa aacatttaac actcagctat 780  
 ggggtacaaag atagtcactg aaacattatt atttactttt atttatatat ttatttttga 840  
 gatggagtct cgctctgtcg ccaggctgga gtgcagtggc gcaatctcgg ctcactgcaa 900  
 cctcagcctc ccagggttcaa gtgattctcc tacctcagcc tcccgagta 949

<210> 2046  
 <211> 1359  
 <212> DNA  
 <213> Homo sapiens

<400> 2046

Exhibit 2805560

aatttttgggtt	tttgtttttgt	tttgttttttt	gagatgggggt	ctcgcctctgt	cgcccagggt	60
ggagtgcagt	ggcgcaatct	cggctcactg	caagctccgc	ctcctgggtt	catgccattc	120
tcctgcctca	gcctccagag	tagctgggac	tacaggcacc	caccaccaca	cccggctaata	180
ttttttgtatt	tttagtagag	gcggggtttc	accgtgttaa	ccaggatggg	ctcgatctcc	240
tgacctcgtg	atctgcccgc	ctcggcctcc	caaagtgttg	ggattacagg	cgtgagccac	300
tgcgcccagc	caatttttgg	attttttagta	gagatgggggt	ttcaccatgt	tgaccaggat	360
ggctctcgatc	tcttgacctc	atgggtccgcc	tgctctggcg	tcccaaagtg	ctgggattac	420
aggcatgggc	cactgcacct	ggctgcatta	ttattattat	tatttttattt	tgagttaggg	480
tcttgctctg	ttgtccaggc	tggagcacag	gggtgcagtc	atagctcact	gcagggtcga	540
acctccaaag	ttcaagtggg	ctttctgccc	cagcctcttg	agtagctgga	actacagggtg	600
cacaccacct	ggctaatttt	ttattttttg	tctagaggca	gggtcaccct	atgttgccaa	660
ggctgatctt	aactcctggg	ctcaagcaat	cctcctgcct	tttcctccca	aagttctggg	720
attacagaca	tgagcaactg	cttctggcct	gaagcattaa	gagcaaaaag	aaagtggtaa	780
tcaccatgta	ctgatatgga	tatagtacca	agatatgtta	ttaagtgaat	aatgcatgtt	840
acaaaacagt	gtgcataata	tgatgcattt	tgataaataa	atztatgtat	atatgcacat	900
attgtttttct	ctggtaggaa	agaaaagcat	aaacagggtt	tctctttgat	ggatggagtg	960
gggtagtgag	gggagaagtt	cttattttttc	catttaatac	tactccttgg	tgtttgaatt	1020
ttacagctgt	atacagtatt	aagttttttt	tttttttttg	agacggagtc	tcgctctgtc	1080
acccaggctg	gagtgcagtg	gcacgatctc	ggctcactgc	aagctctgcc	tcccgggttc	1140
acaccattct	cctgcctcag	cctcccagat	agctgggact	acaggcgctc	gccaccatgc	1200
ccggctaatt	ttttgtattt	ttagtagaga	cagggtttca	ccgtgttagc	caggatggtc	1260
tcaatctcct	gacctcatga	tccgcccccc	tcggcctccc	aaagtgttag	gattacaggc	1320
gtgagccacc	gtgcccggcc	agtatgaagt	attttttaa			1359

&lt;210&gt; 2047

&lt;211&gt; 294

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2047

tcttggcctc	ccaaagtgtt	aggattacag	gtgtgagcta	ccactcctga	ccccaagaca	60
atatcttaac	tgtaaaaatt	aaactctacc	atatttttaa	aagctgagat	agtataaatg	120
tttataataa	aacataaaac	caacatttct	cacaagtctt	tgtaactagt	agagactgta	180
gttggtctgt	ccagatataa	gtgtgggtata	tcaacttggc	acttagcaac	attgatattt	240
aattttgttaa	atttttgtta	ggaagagggtg	ttttcagatc	tcagggtgtc	ttgg	294

&lt;210&gt; 2048

&lt;211&gt; 12710

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2048

cttgccactt	tgtgtgtctac	agctccaatc	acatccttca	ccaggctcaa	ggactgtgct	60
agatcttcct	gctccacttc	attgtcttgg	aaggaaagaa	taattctgtt	ttttatgggt	120
cttttttgac	aagggcagaa	gcaaggggaat	cctgacttct	cactccatat	catcttttcc	180
ctttgtgact	atgctatcag	aggggaagcca	acacgtcaga	gatcatgtgc	ctatccttct	240
tgctgtcata	agtttgattc	taaaaaaagt	cagaagtttt	caatgatata	aataaatatgc	300
aatcatatgt	tgtgtctctga	aataaaaagga	actaaagact	tctaggaggg	acagtaatatg	360
caggaagagc	aaccaagtgtt	tttttttttt	atltgttttta	cttaattttt	aatgtactgc	420
cttgtaatct	ttaaaataac	tacctaggaa	cagaattagc	caagagagag	aaaccagtaa	480
ttactgatta	agtgaaaaac	agcagcaatt	ctagcacttc	tgggaataac	tagtggaaat	540
tatctcccag	cctagtgtata	acagaatact	gttcagggtca	ttgaactctg	gatggaatca	600
atgtgttccc	tttcttctct	gctatcatct	atcctaagtc	tggtaacata	acagtccaaa	660
ttttcattca	acaaaattca	agataaaaaca	caaggctctc	tttagacata	ctaaagcatg	720
aaatagcact	tccatggggc	ttccagtact	actggccaca	gaggaaacag	tccatgacca	780
tacaagaccg	agttagaaaag	gagacttacc	tttggtacac	tgcaatattc	tttggataaa	840
aactgggtac	ttggtaaatcc	gctgagttac	aagcaatatg	cactctggaa	ttccaagcct	900
tctaacaact	gaactgctca	tcttcttctg	caagggagta	aacagactgt	gaggaatcac	960
atgaaaaaag	ctctagtgtga	agccgacagg	gacacatggc	tctcaacaat	aacggggatt	1020







tcccagctat	tggggaggct	gaggcaggag	aatcgcttga	accagggagg	tggaggttgc	12060
agtgagccga	gattgtgcta	ttgtactcca	gcctggggcg	cagagagaga	ctccgtctca	12120
aaaaataat	aaaaaaaaaa	aagtttaaca	agccagatct	catttgattt	gtatgattgt	12180
aaggcactaa	aaacaagtct	tttaattctc	aactactatt	aaagaggaag	ttgagatgcg	12240
caggggtcac	ttgcttaaac	acacagggca	aaggtgctgc	ctttaagcta	atacacagac	12300
tgttttagag	accttccaag	agggtttgat	ggtataatgt	tatatgggta	aaggaatctg	12360
caggataaaa	cagcagcctt	ctctcactta	ccacaaaata	ggtattcata	tcttgactat	12420
gaataataac	tgaatattac	aacagcattt	ttacattcag	aaccagaaag	tcagaaaggg	12480
aattgagagg	tgggctgagc	tacttacgct	tgtttctcat	aatgaccgtg	ggcagtgatg	12540
atgtgtcatg	tgcttgaagg	ctcccttttg	gctgctaaag	agaaagaaag	taagtccatt	12600
gacaattcac	ctctgacaag	ccctgagaag	ccgagtagga	agggagcaag	cagttcagct	12660
tcctttccca	ctctgctttt	tgcactgccc	taagcaccct	gtgtcccagc		12710

&lt;210&gt; 2049

&lt;211&gt; 8243

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2049

cgagtgatec	accgcctca	gcctcccaga	gtgctgggat	tacaggtatg	agccgctgag	60
cctgggtcaag	tgttttcatc	ttattcctct	atttttcacg	tgctctatct	tctgataata	120
ggtaccccg	attccatcag	tcttaaatta	tgacttccaa	agaggtcttc	actggattca	180
gcacctgtcg	taactgactg	tatacccgat	tctcagaaat	gacttgtgtt	tagtctagtt	240
tttagtgtag	gtaaggaaca	aaactgagat	atctctttct	aggactgctg	tataaataag	300
tactcacata	taagtacaat	gttcagtaga	actgaaaaca	gaagagtggg	gcaaaaagga	360
gataggatac	caacaggacc	acgtctctgt	accttaaagt	ttttaaagga	aatcttttca	420
agaagccaca	tactaaaaaa	ctgatttttc	atagtccaac	aaattactgc	ttaaaaatgc	480
tggacaatgg	aaatcaaata	taatcagagc	aaaatgaaga	ctctcaccat	atattacttc	540
ttgccgtttg	accacatctt	tcttttgctg	tttttagaaac	ttgctgtcta	ttatccgact	600
ccaagactct	gttccagctg	tttggactca	atctcaaagt	ctcccagtag	ttgtccttca	660
ttcatgtctg	tacctactcc	tcaatatatc	aaaaaatcaa	tatcagaatc	aggtttgtga	720
cctgtaaaat	aagcctatgt	tggactttcc	tcaagatgat	agttgatttt	ataagacaca	780
tgaatacagg	ggatattcac	agagatcata	ttctagtacc	agaaaaaaat	caatatcctg	840
ttcaggagtg	acagactcta	cattcgagac	ttagggttaac	agtaataaac	atgacataaa	900
tcaaacatga	ttaagacatg	acttctatct	acacgaagtt	aagaattgga	agggacctgg	960
taccttttca	tatttaagag	agcaggctta	caattgtctt	gtgagctaga	actgtacatg	1020
taaaaaagtc	taagggaagg	aaaagatttg	tactaaagag	tagggccaca	tcgaaataaa	1080
tgacatcctt	cacttgacag	ctgctggatg	agtctgatta	cgcagtcatg	acaaagcact	1140
ggacacttta	ctgacaattt	agagaatctt	cacgggatac	agaagaggca	ggtactgtca	1200
ctccattaag	acttatgttc	taggtaatga	cacacacaca	gtccctacag	aggcataaaa	1260
taaaggccat	aacttcctct	taccctcatc	agtaagtgat	tctgttgact	cattgacctt	1320
gctgatttta	tttagtgagt	ctggtgaatg	agacaggaat	ttccagggtg	ttgacatggt	1380
ctcatcattg	ccaactctgg	ggacaaaaga	aaaatacata	ctgtcaaata	cattctgata	1440
acctatggct	tgcattctta	aatgagtacc	tgaagactct	agaatgacaa	ctggctggaa	1500
gtactacagt	gactgaagac	aaattgctta	tgtcgggggc	acagcaacat	gcacatggcc	1560
tggtaacaaa	gtcgggagca	tttagtatca	ctggagactc	aaattctgag	gactttttga	1620
gccttttttaa	agaaagtgat	aagaagcaag	gggaactttc	ttccatcaaa	ccatgtacac	1680
attatataag	aaactttctg	tttaaaactt	attgcctaac	caatacactg	ttttttctgt	1740
tctctagata	actacagatc	tagcacttac	aatcaactat	gttctctttg	gactttctca	1800
atcccaactc	accagctagc	acagcaggca	cccaattgat	gtgtgagtag	acacaatagc	1860
aagaacactt	taaagaccaa	cttttgaaag	ttacaatgca	tacaaacttt	agtaatgtta	1920
caacttttga	aaagtacact	tttggaaata	atgagaatac	aaagacaaaa	caaaacaaaa	1980
caaaacaaaa	atacctgaaa	cttttttagag	gaggagaaaa	cattagccag	cacagagggt	2040
aggaattaca	aacaaaagga	gacttttgca	tccttttagt	aggaattttg	ctccaagata	2100
ggttaaagag	atactctgag	tcctacattt	gaaatggctt	attcaccocga	cgggaaggca	2160
ggcatctttac	ccaaaatagt	cagcaacatc	attatcagcc	ccctgctaac	cacttgacag	2220
ccaaggcctg	gccaggagac	cagaaaagaa	actcagtgca	aacgagtgag	tgagaacctt	2280
atagtaataa	ttggctcagc	actcacctcc	atgaaactga	cttaagtgtt	aaaaggcaaa	2340
gatgtaaaac	agaggtaaga	agaaacaaaa	caaccagggt	tacttgaaca	acagaaaagc	2400
atgacatctg	taagtgggtg	caacccaaaa	ttctgaatta	aatcaccctt	tttctatttc	2460

Total 28005660





<210> 2052  
 <211> 2853  
 <212> DNA  
 <213> Homo sapiens

<400> 2052  
 agtctgtgtc ttttaacggg ggcatttagc ctgtttacat ttaagggttaa tattgttatg 60  
 tgtgagtttg atcctgtcat tatgatgcta gctgggttatt ttgcccgtta gttgatgcag 120  
 attcttcata atgtcaatgg cctttacaat ttgggtatgtt ttgacagtgg ctggtactgc 180  
 tttttccctt ttgtatttag tgcttccttc agaagatctt gtaaggcagg actggtgggtg 240  
 acaaaatctt tcagcatttg cttttctgtg aaggatttta tttctccttc acttatgaag 300  
 cttagtttgg ctggctctga aattctgggt tgaaaattct tttctttaag aatgttgtgc 360  
 caggcacctg ggctcatgtg tgtaatccca gcactttggg aggctgaggc tggcagatca 420  
 cctgaggtca ggagttcaag accagcctga ccaacatggg aaaactccat ctctactaaa 480  
 aatacaaaat tagccagctg tgggtggcaca tgcctgtaat cccaactact tgggaggctg 540  
 aggcaggaga atcgcttgaa cccaggaggt cagggtgcgg tgagccgaga tcttgccatc 600  
 atactccagc ctgggcaaca agagtgaaac tccatctcac aaaaaaaaaa gaatgttgaa 660  
 tattggcccg cactctcttc tggcttgtag tgtttccgca gagaaatcca ctggttagtct 720  
 gatgggcttc cctttgtgga taaccggacc tttctctctg gctgccctta acgttttttt 780  
 cattcctttc aaccttggtg aatctgatga ttacgtgtct tggggctgct cttctcgaga 840  
 agtatctttg tgggtgtctc tgtctttcct gaacttgaat gttggtctgt cttgctaggt 900  
 tggggaagtt ctctgggata atatcctgaa gagtgttttc caacttgggt ccattctccc 960  
 catcattttc aggtacacca gtcaaacata gggttgggtc tctcacatag tcccatatct 1020  
 cttggaggct ttgttcattc cttttcattc atttttctct aatcttgtct tcatgcttta 1080  
 tttcattaag ttgatcttca atctctgata tccttttttc cacttgatcg atttggctat 1140  
 tgatacttgt gtatgcttca caaagttctt gtgctgtgtt tttcagctcc atcagggtcat 1200  
 tgatgatatt ctctagactg gttattctag ttagcaattc ttctaacctt ctttcaaggt 1260  
 tcttagtttc cttgcagtgg gttagaatgt gctcctttag ctcgaggag ttaccacact 1320  
 tccgaagcct acttctgtca attcgtcaaa ctcatttttc atccagtttt gtttccttgc 1380  
 tggcgaggag ttatgatccc ttggaggaga agaggtgttc tggtttttgg aattttcagc 1440  
 cttcttgtgc tggtttttcc tcatctccct ggatttatct gcctttgggtc tttgatgttg 1500  
 gtgacctttg gatggggttt ttgtgtggac atcgtttttg ttgatgttga tgctattcct 1560  
 ttctgttttt tagtttttct cctaacaggc aggcctctct cctgcaggcc tgctggagtt 1620  
 tgctggaggt ccactccaga ccctgttttg ctgagtatca ctagcagaca ctgcagaaca 1680  
 gcaaagattg ctgcctgtct cttectctgg aagtttcgtc ccagaggggc acccgccaga 1740  
 tgctagtggg gctctcctgt atgaggtgtc tgttgacccc tgctgggagg tgtctcccag 1800  
 tcaggaggca caggggtcag ggaccacact gaggaggcag tctgtccctt agcagagttt 1860  
 gagtgtgtg ctgggagatt cgtgtctctc ttcagagctg gcaggcagga acatttacgt 1920  
 ctgctgaagc tgcacccaca gccgcctctt ccgccaggct ctctgtccca gagaggtggg 1980  
 agttttatct gttagccctt gactggggct gctgccttct tttcagagat gccctgtcca 2040  
 gagaggagga atctagagag gcagtctggc tatggcagct ttgcagagct gtggtgggct 2100  
 ctgcccatt cgaacttccc agaagctttg tttatactgt gaggggaaaa ccacactctc 2160  
 aagcctcagt aatggtggac gcttctcccc acaccaagct tgagagtccc aggtcgactt 2220  
 cagactgctg tgctggcagc aagaatttca agccagtgga ttttagcttg ctgggctctg 2280  
 tggcgggtgg atccactgat ccacttgggt ccttggcttc agttcccttt ccaggagagt 2340  
 gaacagttct gtgcgtggcc ttccaggtgt cactggggta tggaaaaaaa aaaaaaaaaa 2400  
 aaaaaaacct tctgcagcta gcttgggtgc tgcctaaatg gctgccctgt tttgcgcttg 2460  
 aaaccaggg ccctggtagt gtcagcactc gagggaatct cctggtctgt ggggttgtaaa 2520  
 gaccatggga aaagcatagt atctgggttg gaatgcacca ttctcattg cacagtccct 2580  
 catggcttcc ctttgggtgg ggaggttgtt ttctacccc ttgagcttac cgtgtgaggt 2640  
 gatgcacccc ccctgctttg gctcgtgtct tgtgggctgc acccactgtc taacctgtac 2700  
 caaagagatg agccagggtac cttagttgga aatgcagaaa tcaccactt tctgcattga 2760  
 tctcactggg agctgcagac ctgagctgtt cctgttaggc catcttgcca gccactcata 2820  
 ttttactttt aagtgattag gttgttttgg aga 2853

<210> 2053  
 <211> 2853  
 <212> DNA  
 <213> Homo sapiens

09550306-09

<400> 2053

agtctgtgtc	ttttaacggg	ggcatttagc	ctgtttacat	ttaaggttaa	tattgttatg	60
tgtgagtttg	atcctgtcat	tatgatgcta	gctgggttatt	ttgcccgtaa	gttgatgcag	120
attcttcata	atgtcaatgg	cctttacaat	ttgggtatgtt	tttgcaagtgg	ctgggtactgc	180
tttttccttt	ttgtattttag	tgcttccttc	agaagatcct	gtaaggcagg	actgggtgggtg	240
acaaaatctt	tcagcatttg	cctttctgtg	aaggattttta	tttctccttc	acttatgaag	300
cttagtttg	ctggctctga	aattctgggt	tgaaaattct	tttctttaag	aatgttgtgc	360
caggcacctg	ggctcatgtg	tgtaatccca	gcactttggg	aggctgaggg	tggcagatca	420
cctgaggtca	ggagttcaag	accagcctga	ccaacatggg	aaaactccat	ctctactaaa	480
aatacaaaa	tagccagctg	tggtggcaca	tgctgtaat	cccaactact	tgggaggctg	540
aggcaggaga	atcgcttgaa	cccaggaggt	caggttgccg	tgagccgaga	tcttgccatc	600
atactccagc	ctgggcaaca	agagtgaaac	tccatctcac	acaaaaaaaa	gaatgttgaa	660
tattggcccg	cactctcttc	tggtctgtag	tgtttccgca	gagaaatcca	ctgttagtct	720
gatgggcttc	cctttgtgga	taaccggacc	tttctctctg	gctgccctta	acgttttttt	780
cattcctttc	aaccttggtg	aatctgatga	ttacgtgtct	tggggctgct	cttctcgaga	840
agtatctttg	tggtgggtct	tgtctttcct	gaacttgaat	gttgggtctgt	cttgctaggt	900
tggggaagtt	ctcctggata	atatacctgaa	gagtgttttc	caacttgggt	ccattctccc	960
catcattttc	aggtacacca	gtcaaacata	ggtttgggtct	tctcacatag	tcccatattt	1020
cttgagggtc	ttgttcattc	cctttcattc	atttttctct	aatcttgtct	tcagtcttta	1080
tttcattaag	ttgatcttca	atctctgata	tccttttttc	cacttgatcg	atttggctat	1140
tgatacttgt	gtatgcttca	caaagttctt	gtgctgtgtt	tttcagctcc	atcagggtcat	1200
tgatgatttt	ctctagactg	gttattctag	ttagcaattc	ttctaaccct	ctttcaaggt	1260
tcttagtttc	cttgcaagtgg	gttagaatgt	gctcctttag	ctcggaggag	ttaccacct	1320
tccgaagcct	acttctgtca	attcgtcaaa	ctcattttcc	atccagtttt	gtttccttgc	1380
tggcgaggag	ttatgatccc	ttggaggaga	agaggtgttc	tgggttttgg	aattttcagc	1440
cttcttgtgc	tgggtttttcc	tcactctcct	ggatttatct	gcctttgggtc	tttgatgttg	1500
gtgacctttg	gatgggggtt	ttgtgtggac	atcgtttttg	ttgatgttga	tgctattcct	1560
ttctgttttt	tagttttttct	cctaacaggc	aggcttctct	cctgcaggcc	tgctggagtt	1620
tgtctgagg	ccactccaga	ccctgtttgc	ctgagatca	ctagcagaca	ctgcagaaca	1680
gcaaaagattg	ctgectgtct	cttctcttgg	aagtttctgc	ccagaggggc	accgcgca	1740
tgctagtggg	gctctcctgt	atgaggtgtc	tggtgacccc	tgctgggagg	tgtctcccag	1800
tcaggaggca	caggggtcag	ggaccactt	gaggaggcag	tctgtccctt	agcagagttt	1860
gagtgtctg	ctgggagatt	cgctgtctct	ttcagagctg	gcaggcagga	acatttacgt	1920
ctgctgaagc	tgcaccacaa	gccgcctctt	ccgccaggct	ctctgtccca	gagaggtggg	1980
agttttatct	gttagccctt	gactggggct	gctgcctttc	tttcagagat	gccctgtcca	2040
gagaggagga	atctagagag	gcagtctggc	tatggcagct	ttgcagagct	gtggtgggct	2100
ctgcccaatt	cgaacttccc	agaagctttg	tttatactgt	gaggggaaaa	ccacctactc	2160
aagcctcagt	aatggtggac	gcttctcccc	acaccaagct	tgagagtccc	aggtcgactt	2220
cagactgctg	tgctggcagc	aagaatttca	agccagtggg	ttttagcttg	ctgggctctg	2280
tggcggtggg	atccactgat	ccacttggct	ccctggcttc	agttcccttt	ccaggagagt	2340
gaacagttct	gtcgttggcc	ttccagggtg	cactggggta	tggaaaaaaaa	aaaaaaaaaa	2400
aaaaaaaaac	tctgcagcta	gcttgggtgt	tgcttaaatg	gctgccctgt	tttgcgcttg	2460
aaaccaggg	ccctggtagt	gtcagcactc	gagggaaatc	cctgggtctgt	gggttgtaaa	2520
gaccatggga	aaagcatagt	atctgggttg	gaatgcacca	ttcctcattg	cacagtccct	2580
catggcttcc	ccttgggtgg	ggaggttgtt	ttctcaccct	ttgagcttac	cgtgtgaggt	2640
gatgcacccc	ccctgctttg	gctcgtgtct	tgtgggctgc	accactgtct	taacctgtac	2700
caaagagatg	agccagggtac	cttagttgga	aatgcagaaa	tcaccactt	tctgcattga	2760
tctcactggg	agctgcagac	ctgagctgtt	cctgttaggc	catcttgcca	gccactcata	2820
ttttactttt	aagtgattag	gttgttttgg	aga			2853

<210> 2054

<211> 421

<212> DNA

<213> Homo sapiens

<400> 2054

tgaggagtgt	tttacttcca	attctgtggg	caatttttaga	ataagtgtga	tgtgggtgctg	60
agaagaatgt	atattctgtt	gatttggggg	ggagagttct	gtagatgtct	attaggtctg	120
ctttgtccag	agctgagttc	aagtcctgaa	tatccttgtt	aattttctgt	ctcgttgatc	180

tgtctaatat	tgacagtggg	gtgttaaagt	ctcctactat	taattgggtg	ggagtctaag	240
tctctttgta	ggctctctaag	aacttgctta	tgaattgggt	gcttctgtat	aggggccta	300
tatatttagg	gtagttagct	cttcttggtg	cattgaacct	tttaccatta	tgtaatgccc	360
ttctttgtct	tttttgatct	tggttgggtt	aaagtctgtt	ttatcagagg	ctaggattgc	420
a						421

<210> 2055  
 <211> 340  
 <212> DNA  
 <213> Homo sapiens

<400> 2055						
aattttcttgt	gtatatgcat	cttttacata	taaaggctgt	tttaaaaatg	agttgctgct	60
ttatagtttc	ttcttttagaa	acatataaga	ttaaagataa	aagaaataga	atagggaaat	120
agcctagcta	tagaaacagc	acttttaa	ttcatatgta	cagtgattta	ttatttgcaa	180
atcatctact	ttttaaaagt	atgatacttt	attatttgca	aattatttaa	tttttaaaag	240
tgatttttgt	gggaggtcag	agttggatgg	agaaggggtca	ttttcatttt	tgattagagg	300
attcttgtaa	tgacctgatg	aaaactgctc	tgagggcatc			340

<210> 2056  
 <211> 340  
 <212> DNA  
 <213> Homo sapiens

<400> 2056						
aattttcttgt	gtatatgcat	cttttacata	taaaggctgt	tttaaaaatg	agttgctgct	60
ttatagtttc	ttcttttagaa	acatataaga	ttaaagataa	aagaaataga	atagggaaat	120
agcctagcta	tagaaacagc	acttttaa	ttcatatgta	cagtgattta	ttatttgcaa	180
atcatctact	ttttaaaagt	atgatacttt	attatttgca	aattatttaa	tttttaaaag	240
tgatttttgt	gggaggtcag	agttggatgg	agaaggggtca	ttttcatttt	tgattagagg	300
attcttgtaa	tgacctgatg	aaaactgctc	tgagggcatc			340

<210> 2057  
 <211> 421  
 <212> DNA  
 <213> Homo sapiens

<400> 2057						
tgaggagtgt	tttacttcca	attctgtggt	caatttttaga	ataagtgtga	tgtggtgctg	60
agaagaatgt	atattctgtt	gatttgggggt	ggagagttct	gtagatgtct	attaggtctg	120
ctttgtccag	agctgagttc	aagtcctgaa	tatccttggt	aattttctgt	ctcgttgatc	180
tgtctaatat	tgacagtggg	gtgttaaagt	ctcctactat	taattgggtg	ggagtctaag	240
tctctttgta	ggctctctaag	aacttgctta	tgaattgggt	gcttctgtat	aggggccta	300
tatatttagg	gtagttagct	cttcttggtg	cattgaacct	tttaccatta	tgtaatgccc	360
ttctttgtct	tttttgatct	tggttgggtt	aaagtctgtt	ttatcagagg	ctaggattgc	420
a						421

<210> 2058  
 <211> 2853  
 <212> DNA  
 <213> Homo sapiens

<400> 2058						
agtctgtgtc	ttttaacggg	ggcatttagc	ctgtttacat	ttaagggttaa	tattgttatg	60
tgtgagtttg	atcctgtcat	tatgatgcta	gctgggttatt	ttgcccgtta	gttgatgcag	120
attcttcata	atgtcaatgg	cctttacaat	ttgggtatgtt	tttgagtggt	ctgggtactgc	180
tttttccttt	ttgtatttag	tgcttccttc	agaagatcct	gtaaggcagg	actgggtggtg	240

TTT50" 28005550

acaaaatctt	tcagcatttg	cttttctgtg	aaggatttta	tttctccttc	acttatgaag	300
cttagtttgg	ctggctctga	aattctgggt	tgaaaattct	tttctttaag	aatgttgtgc	360
caggcaccgt	ggctcatgtg	tgtaatccca	gcactttggg	aggctgaggg	tggcagatca	420
cctgagggtca	ggagttcaag	accagcctga	ccaacatggg	aaaactccat	ctctactaaa	480
aatacaaaat	tagccagctg	tgggtggcaca	tgctgtaat	cccaactact	tgggaggctg	540
aggcaggaga	atcgcttgaa	cccaggaggt	caggttgctg	tgagccgaga	tcttgccatc	600
atactccagc	ctgggcaaca	agagtgaaac	tccatctcac	acaaaaaaaa	gaatgttgaa	660
tattggcccg	cactctcttc	tggctttag	tgtttccgca	gagaaatcca	ctgttagtct	720
gatgggcttc	cctttgtgga	taaccgcacc	tttctctctg	gctgccctta	acgttttttt	780
cattcctttc	aaccttgggt	aatctgatga	ttacgtgtct	tggggctgct	cttctcgaga	840
agtatctttg	tgggtggctc	tgtctttcct	gaacttgaat	gttggctctg	cttgctagggt	900
tggggaagtt	ctcctggata	atatcctgaa	gagtgttttc	caacttgggt	ccattctccc	960
catcattttc	aggtacacca	gtcaaacata	ggtttgggtc	tctcacatag	tcccatattt	1020
cttggagggt	ttgttcattc	cttttcattc	atttttctct	aatcttgtct	tcatgcttta	1080
tttcattaag	ttgatcttca	atctctgata	tccttttttc	cacttgatcg	atttggctat	1140
tgatacttgt	gtatgcttca	caaagttctt	gtgctgtgtt	tttcagctcc	atcagggtcat	1200
tgatgatttt	ctctagactg	gttattctag	ttagcaattc	ttctaaccct	ctttcaagggt	1260
tcttagtttc	cttgcagtg	gttagaatgt	gctccttttag	ctcggaggag	ttaccacact	1320
tccgaagcct	acttctgtca	attcgtcaaa	ctcatttttc	atccagtttt	gtttccttgc	1380
tggcgaggag	ttatgatccc	ttggaggaga	agaggtgttc	tggtttttgg	aattttcagc	1440
cttcttgttg	tgggttttcc	tcactctccc	ggatttatct	gcctttgggt	tttgatgttg	1500
gtgacctttg	gatggggttt	ttgtgtggac	atcggttttg	ttgatgttga	tgctattcct	1560
ttctgttttt	tagtttttct	cctaacaggc	aggcttctct	cctgcaggcc	tgctggagtt	1620
tgctggaggt	ccactccaga	ccctgtttgc	ctgagtatca	ctagcagaca	ctgcagaaca	1680
gcaaagattg	ctgcctgtct	cttctctctg	aagtttcgtc	ccagaggggc	acccgccaga	1740
tgctagtggg	gctctcctgt	atgaggtgtc	tgttgacccc	tgctgggagg	tgtctcccag	1800
tcaggaggca	caggggtcag	ggaccacact	gaggaggcag	tctgtccctt	agcagagttt	1860
gagtgtctgt	ctgggagatt	cgctgtctct	ttcagagctg	gcaggcagga	acatttacgt	1920
ctgctgaagc	tgcacccaca	gccgcctctt	ccgccaggtc	ctctgtccca	gagaggtggg	1980
agttttatct	gttagccctt	gactggggct	gctgcctttc	tttcagagat	gccctgtcca	2040
gagaggagga	atctagagag	gcagctctgg	tatggcagct	ttgcagagct	gtggtgggct	2100
ctgccccatt	cgaacttccc	agaagctttg	tttatactgt	gaggggaaaa	ccacctactc	2160
aagcctcagt	aatggtggac	gcttctcccc	acaccaagct	tgagagtccc	aggtcgactt	2220
cagactgctg	tgctggcagc	aagaatttca	agccagtggg	ttttagcttg	ctgggctctg	2280
tggcggtggg	atccactgat	ccacttggct	ccctggcttc	agttcccttt	ccaggagagt	2340
gaacagttct	gtcgtctggc	ttccagggtg	cactggggta	tggaaaaaaaa	aaaaaaaaaa	2400
aaaaaaaaac	tctgcagcta	gcttgggtgt	tgctctaaat	gctgcctgtt	tttgcgcttg	2460
aaaccagggg	ccctggtagt	gtcagcactc	gaggggaatc	cctgggtctgt	gggttgtaaa	2520
gaccatggga	aaagcatagt	atctgggttg	gaatgcacca	ttcctcattg	cacagtccct	2580
catggcttcc	ctttgggtgg	ggaggttggt	ttctcacccc	ttgagcttac	cggtgtgaggt	2640
gatgcacccc	ccctgctttg	gctcgtgtct	tgtgggctgc	acccactgtc	taacctgtac	2700
caaagagatg	agccaggtag	cttagtttga	aatgcagaaa	tcaccacact	tctgcattga	2760
tctcactggg	agctgcagac	ctgagctgtt	cctgttaggc	catcttgcca	gccactcata	2820
ttttactttt	aagtgattag	gttgtttggg	aga			2853

&lt;210&gt; 2059

&lt;211&gt; 2853

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2059

agtctgtgtc	ttttaacggg	ggcatttagc	ctgtttacat	ttaaggttaa	tattgttatg	60
tgtgagtttg	atcctgtcat	tatgatgcta	gctgggtatt	ttgcccgtaa	gttgatgcag	120
attcttcata	atgtcaatgg	cctttacaat	ttgggtatgt	tttgagtggt	ctggtagctg	180
tttttccttt	ttgtatttag	tgttctcttc	agaagatctt	gtaaggcagg	actgggtggg	240
acaaaatctt	tcagcatttg	cttttctgtg	aaggatttta	tttctccttc	acttatgaag	300
cttagtttgg	ctggctctga	aattctgggt	tgaaaattct	tttctttaag	aatgttgtgc	360
caggcaccgt	ggctcatgtg	tgtaatccca	gcactttggg	aggctgaggg	tggcagatca	420
cctgagggtca	ggagttcaag	accagcctga	ccaacatggg	aaaactccat	ctctactaaa	480
aatacaaaat	tagccagctg	tgggtggcaca	tgctgtaat	cccaactact	tgggaggctg	540

aggcaggaga	atcgcttgaa	cccaggaggt	caggttgcg	tgagccgaga	tcttgccatc	600
atactccagc	ctgggcaaca	agagtgaaac	tccatctcac	acaaaaaaaa	gaatgttgaa	660
tattggcccg	cactctcttc	tggcttgtag	tgtttccgca	gagaaatcca	ctgttagtct	720
gatgggcttc	cctttgtgga	taacccgacc	tttctctctg	gctgccctta	acgttttttt	780
cattcctttc	aaccttggtg	aatctgatga	ttacgtgtct	tggggctgct	cttctcgaga	840
agtatctttg	tggtggtctc	tgtctttcct	gaacttgaat	gttggtctgt	cttgctaggt	900
tggggaagtt	ctcctggata	atatcctgaa	gagtgttttc	caacttggtt	ccattctccc	960
catcattttc	aggtacacca	gtcaaacata	ggttttggtc	tctcacatat	tcccatattt	1020
cttggaggct	ttgttcattc	cttttcatte	atttttctct	aatcttgtct	tcatgcttta	1080
tttcattaag	ttgatcttca	atctctgata	tccttttttc	cacttgatcg	atttggtat	1140
tgatacttgt	gtatgcttca	caaagttctt	gtgctgtggt	tttcagctcc	atcaggtcat	1200
tgatgatttt	ctctagactg	gttattctag	ttagcaattc	ttctaaccct	ctttcaaggt	1260
tcttagtttc	cttgacagtg	gttagaatgt	gctcctttag	ctcggaggag	ttaccacact	1320
tccgaagcct	acttctgtca	attcgtcaaa	ctcattttcc	atccagtttt	gtttccttgc	1380
tggcgaggag	ttatgatccc	ttggaggaga	agaggtgttc	tggtttttgg	aattttcagc	1440
cttcttgtgc	tggtttttcc	tcactctcct	ggatttatct	gcctttggtc	tttgatgttg	1500
gtgacctttg	gatgggggtt	ttgtgtggac	atcgttttct	ttgatgttga	tgctattcct	1560
ttctgttttt	tagtttttct	cctaacaggc	aggcttctct	ctcgcaggcc	tgctggagtt	1620
tgtctggaggt	ccactccaga	cctcgtttgc	ctgagtatca	ctagcagaca	ctgcagaaca	1680
gcaaagattg	ctcctgtctc	cttctctctg	aagtttcgtc	ccagaggggc	accgccaga	1740
tgctagtgga	gctctcctgt	atgaggtgtc	tgttgacccc	tgtctggagg	tgtctcccag	1800
tcaggaggca	caggggtcag	ggacccactt	gaggaggcag	tctgtccctt	agcagagttt	1860
gagtgtctgt	ctgggagatt	cgctgctctc	ttcagagctg	gcaggcagga	acatttacgt	1920
ctgctgaagc	tgcacccaca	gccgcctctt	ccgccaggtc	ctctgtccca	gagaggtggg	1980
agttttatct	gttagccctt	gactggggct	gctgccttcc	tttcagagat	gccctgtcca	2040
gagaggagga	atctagagag	gcagtctggc	tatggcagct	ttgcagagct	gtgggtgggt	2100
ctgcccattt	cgaacttccc	agaagctttg	tttatactgt	gaggggaaaa	ccacctactc	2160
aagcctcagt	aatggtggac	gcttctcccc	acaccaagct	ttagagctcc	aggtcgactt	2220
cagactgctg	tgtcggcagc	aaagaatttca	agccagtgga	ttttagcttg	ctgggctctg	2280
tggcggtggg	atccactgat	ccacttggtc	ccctggcttc	agttcccttt	ccaggagagt	2340
gaacagttct	gtcgtctggc	ttccaggtgt	cactggggta	tggaaaaaaa	aaaaaaaaaa	2400
aaaaaaaaac	tctgcagcta	gcttgggtgc	tgctaaatg	gctgccctgt	tttgcgcttg	2460
aaaccaggg	ccctggtagt	gtcagcactc	gagggaaatc	cctgggtctgt	gggttgtaaa	2520
gaccatggga	aaagcatagt	atctgggttg	gaatgcacca	ttcctcattg	cacagtcctt	2580
catggcttcc	ctttgggtgg	ggaggttgtt	ttctcacccc	ttgagcttac	cgtgtgaggt	2640
gatgcacccc	ccctgctttg	gctcgtgtct	tgtgggctgc	accactgtc	taacctgtac	2700
caaagacatg	agccaggtac	cttagttgga	aatgcagaaa	tcaccactt	ctgcatttga	2760
tctcactggg	agctgcagac	ctgagctgtt	cctgttaggc	catcttgcca	gccactcata	2820
ttttactttt	aagtgattag	gttgtttggg	aga			2853

<400>	2060						
tgaggagtgt	tttacttcca	attctgtggt	caattttaga	ataagtgtga	tgtgggtgctg		60
agaagaatgt	atattctggt	gatttggggg	ggagagttct	gtagatgtct	attaggtctg		120
ctttgtccag	agctgagttc	aagtcctgaa	tatccttggt	aattttctgt	ctcgttgatc		180
tgtctaatat	tgacagtggg	gtgttaaagt	ctcctactat	taattgggtg	ggagtctaag		240
tctctttgta	ggtctctaag	aacttgctta	tgaattgggt	gcttctgtat	aggggtgccta		300
tatatattagg	gtagttagct	cttcttggtg	cattgaacct	tttaccatta	tgtaatgcc		360
ttctttgtct	tttttgatct	tggttgggtt	aaagtctggt	ttatcagagg	ctaggattgc		420
a							421

<400> 2061  
aatttcttgt gtatatgcat cttttacata taaaggctgt tttaaaaatg agttgctgct 60  
ttatagtttc ttcttttagaa acatataaga ttaaagataa aagaaataga atagggaaat 120  
agcctagcta tagaaacagc actttttaa atcatatgta cagtgattta ttatttgcaa 180  
atcatctact ttttaaaagt atgatacttt attatttgca aattatttaa tttttaaaag 240  
tgatttttgt gggaggtcag agttggatgg agaagggtca ttttcatttt tgattagagg 300  
attcttgtaa tgacctgatg aaaactgctc tgagggcatc 340

<210> 2062  
<211> 340  
<212> DNA  
<213> Homo sapiens

<400> 2062  
aatttcttgt gtatatgcat cttttacata taaaggctgt tttaaaaatg agttgctgct 60  
ttatagtttc ttcttttagaa acatataaga ttaaagataa aagaaataga atagggaaat 120  
agcctagcta tagaaacagc actttttaa atcatatgta cagtgattta ttatttgcaa 180  
atcatctact ttttaaaagt atgatacttt attatttgca aattatttaa tttttaaaag 240  
tgatttttgt gggaggtcag agttggatgg agaagggtca ttttcatttt tgattagagg 300  
attcttgtaa tgacctgatg aaaactgctc tgagggcatc 340

<210> 2063  
<211> 421  
<212> DNA  
<213> Homo sapiens

<400> 2063  
tgaggagtgt tttacttoca attctgtggt caattttaga ataagtgtga tgtggtgctg 60  
agaagaatgt atattctgtt gatttggggg ggagagttct gtagatgtct attaggtctg 120  
ctttgtccag agctgagttc aagtcctgaa tctccttggt aattttctgt ctcgttgatc 180  
tgtctaatat tgacagtggg gtgttaaagt ctctactat taattgggtg ggagtctaag 240  
tctctttgta ggtctctaag aacttgctta tgaattgggt gcttctgtat aggggtgccta 300  
tatatttagg gtagttagct cttcttggtt cattgaacct tttaccatta tgtaatgccc 360  
ttctttgtct tttttgatct tggttgggtt aaagtctgtt ttatcagagg ctaggattgc 420  
a 421

<210> 2064  
<211> 4400  
<212> DNA  
<213> Homo sapiens

<400> 2064  
gggacccag gcttcctttg agacatccac cagcgggtgat ggggtgggac caatctcccc 60  
cactcctctc caccctagca gtaagggtccc cgctctcgat actgccccag cacctgcact 120  
ggccctctct gatttcccaa ctccagccca ttccaagtgc tgaaggcggg tcgctaggtg 180  
ctgggacctg ggcgcggggc aagaccttgg gctgtgtggg gtgcaggctg gtttactggg 240  
ttcacgattg agggagtggg ctgggggtta ggtgtagggc caggctgcgt tgtgctctaa 300  
ggggcaggcg gcaggcgggt tgggggggct gtgggtcagac aggggtggggg ggcgggtgggt 360  
ttgggggaagc cgcagcagcc cgccttgggg tcccgcgagt gccgagggag ctgccggggc 420  
atgggtggcgc gggggccctg gtccctgccc gcacgacccc cgccccgcag cgccccgcag 480  
cgccccgccc cgcgggcccc gctcgcgacg cgtctcccgc ggcgccccgc ccccgccccg 540  
agtgcccgga tgcggtgac gcgcggccgc catctttccg tcccgggcag ccagcgccag 600  
tcggagccag cgcgagccgc cgccgccatc actgccgctg ccaagtcctc caccgcgtgc 660  
ccccgccatg tgagtcggcc gcccgccacc ctccaccgcg ttccttgcgc cggccgcccgc 720  
ccttggaac cgccgctcgg gagtgcccgg ggtctctcct gcgttccccg cgccccgggg 780  
ccaggcccaa gccggtgact gcgcgcgggc ggccgaggag ccccgcgctc cgggctggcc 840  
ggctcgggag atggccgcgg gaaggagcgg acccagtgct ctccctgcccc tccccgcccc 900

095032-09202560

tggtaccgcg	gccgcctgtc	ttttcgggtc	gacccggatc	gcattctgtga	ggtcgccctc	960
agttgacagg	cggggaaact	gaggccgggg	gggcctcgct	caaggtcacg	cagctcatcg	1020
gcgggcagggc	tggaccgaga	ccagggtcta	catcgggttg	ccttcctccc	gaaaaggagg	1080
actggaggga	cgaggatgga	cagggtgatg	ggcggagccc	tggtcgcggt	gccggggaggc	1140
tgcaggccct	gggtcttaat	ccgtccctgc	tcctcaggtc	tgctaccgct	gccacggccc	1200
cccctgctgc	ccgggctggg	gaggggtggtc	cccctgcacc	ccctccaaac	ctcaccagta	1260
acaggagact	gcagcagacc	caggcccagg	tggatgaggt	gagtgtgggg	ggagtcaaaa	1320
gcagtaggag	ggaccctggg	ggttggcgta	taggtgtagg	ggcccatggt	ggtttgggag	1380
tgatgacagt	tcacgcctgt	gggtttgcgg	acaaagatac	catgccccat	ccctgtctcc	1440
ctgtcagcac	gcacttgga	gggcgctggg	ggtgttaatc	agctttgcta	gcctgggggtg	1500
tgccagcctg	ggcaggtgtg	ctctggtgat	ggacagagcg	cctgaggttc	catagaggga	1560
gggtgttgct	atgacatctg	agatgtcacc	agcatgcccc	tgatgtgtgc	tccttgcatg	1620
tcccagggtg	tgctaggcat	gttctgtgtg	tccttggcat	gttaacctgg	cagtatcagg	1680
gtgcatgttc	catgtgtggc	acgggtgggca	catgttttag	gattgccctc	actgaggtgg	1740
gccttggcac	accccccctgc	ctcgtgggccc	cttctcccag	gtggtggaca	tcagaggggt	1800
gaacgtggac	aaggctcctgg	agcgagacca	gaagctgtcg	gagctggacg	accgtgcaga	1860
tgcactccag	gcggggggcct	cccagtttga	aacaagcgca	gccaagctca	agcgcaata	1920
ctggtggaaa	aacctcaagg	taagggtggg	gacaggaagg	aggacaggtg	ggtgaatggg	1980
gtatcatagt	ttgtcttact	gacccctgcc	tctcaccccc	agatgatgat	catcttggga	2040
gtgatttgcg	ccatcactct	catcatcatc	ataggtgagt	agggtgagaa	tggccggggc	2100
cctttccctg	gagaggtttc	cccagtggtg	tctaggtttt	gaaggtcatt	aatctagttt	2160
ttactcttca	gccaaaaaca	catatagctg	ctaattggcaa	ttctgattca	tctagagcca	2220
aaaactttga	tgttatattag	cctgcatttt	gcctagtctt	tggcagtctt	gttaacattt	2280
ggaaatagga	aagctgggtg	atccattgag	gaccctttag	gcctaagagc	ccagtctgag	2340
aaccctggaa	ttgaggagtg	ggagaaagga	aaggaccagg	ggcttgagac	atgaccagga	2400
agccaaccac	cccattattt	gagagcttgc	ggtctcagag	gctcagagga	ttagggtctg	2460
tggcttcaag	gccataccat	ggagcgggaag	ggacctcaga	acctacctgt	ctagcccctt	2520
gctttgtaga	tggaaaaact	gagtcceaaga	gaggggtgtca	gccagctggg	gagtggggag	2580
gattggagca	gggccaggcc	tgacacactc	ctttcttggt	ctctctcttt	ctctcccctc	2640
tccctcttcc	tcactcttct	ccctctctct	cacagtttac	ttcagcactt	aaatccccga	2700
ggagtctgcc	ctgcctagag	aagggcctct	cccccaacc	tcagccgttc	ctccacctct	2760
cagccatatc	tttcagcccc	cactcccctg	gatccgtgtg	tgtgtgtgtc	cgtgtgtgtg	2820
tccccctgta	aatagccagc	tgttatattat	acatatataa	tattatata	atttggtctg	2880
ttttagtatt	tattactaga	tgatttttcc	ggttgtcctt	aacaccctt	cctgaggttc	2940
ccttcacccc	tctctcttgc	cttccctccc	tttccctttc	ttcctgacta	gccccaaagt	3000
ccttcatttg	catctgctat	gcaatagtc	ctctcccttc	cttcttcttc	cctcagattt	3060
agctgatcct	tctcccacc	ctggccttcc	tttccctctt	cctcctcact	ctccccgtca	3120
tgctccctct	gccccgcctt	caaaaaaaaa	aaaaaaaaaa	aaaaaacaac	agcacctgtc	3180
caggcttctt	taggtacatc	ttctttgtat	ccattggggag	gctctgagac	tggccccact	3240
tggctcctaag	aatcccaagg	tctttggggag	cgtccagcat	gttaatttagc	gtatcattac	3300
atactgctat	ccctttccat	ttctttttgt	tccatcactc	ttctctcaac	ctgtgtttct	3360
ttttttactg	aggagttagt	ccccattagt	tcttgatca	cattttcatt	tgcacgacat	3420
tactcgcagg	tggtggggag	cctgggcttt	tggggaacca	ggctgctctg	gtccccagca	3480
ttgcctcctc	ctagcccctc	tagtccagtt	tgccctccct	acctcattt	tccaaacctc	3540
ttgtaccctc	ctctccctcc	cccagctggg	atgtaagtgt	cttgaagtgc	agtatgttat	3600
gatggaccaa	taattctgcc	acttcgggtt	tctccctaca	ttcctgtctc	ccagttttca	3660
tgtgggggtac	tcaactgaca	ttcccatggg	gtttccctcc	catctgcctg	atccacctcc	3720
tcctcccacc	aggagagttg	ggggttgggc	acaattgatc	tcttggtgaga	gggggtggcta	3780
ccagtgtgtg	tgtgggggtc	atcactgcct	tggggaggag	tggggcaggg	cagagaatcc	3840
cccccaattc	tgccctgaaat	ctctggcctc	acccctgctg	gggggtggac	tgaaaacctc	3900
cctcccacat	ttgggggggtg	ttgccccatc	actgcccagc	tcctctgact	gccccccctg	3960
aatttagggg	gggggtacta	gtcactgcc	atgtgtgtat	gggacttgct	ggaaaacggg	4020
gatgcttgcc	cctctccagg	actattgagc	ccagagagag	ctgtcctctc	attgggtgaa	4080
ctgattgagg	aagggtctat	tgtcttttta	aatggcaca	ttttaagggt	ttgagggtac	4140
agtcctttaa	cctgccacgg	gagggggccc	ccaaactttc	ttccccccac	acttctgggt	4200
ttctgtgtgg	agggggagca	gggatattca	agctgtgggtg	tgaaagggtg	ggagagatgc	4260
tggagggtgg	gggtgctgtg	tttagacccc	ccatattatc	ccagtgtccc	ctgccccctt	4320
cttccccac	cccatgcccc	caattctgtg	gcgcattccag	attgtgaaaa	tgtacaataa	4380
atgtgtaatg	agtaaccagg					4400

<210> 2065  
 <211> 463  
 <212> DNA  
 <213> Homo sapiens

<400> 2065  
 gtctaagatc ttttttattt ttctattttt tttttttggt tgggggagaa taagatcttt 60  
 tcttaaccaa tgggaataat attggatcgg aaggataacc aggaagggtg agaagataca 120  
 ttggtaatgg actggacttt gcaagaggcc ctgaccttgg gcagggcaaa gtgtgattct 180  
 caaagtggcc acaggggggc actaggagtt ggtaatggga agtgtcatag ccagcccgtg 240  
 tctctaagcc cgggtgcgcc tgtggcttag ggttcccagc ttctgtttcc ctttactggg 300  
 gcatgttcc tctgttggac tcctttctac tcctcgattt aacttctaga cgctctgccg 360  
 tggctcccgt gcagcagtag atgaagtagt tggccatttc tgtgaagcat gtcttcccct 420  
 ctgtgcctaa cccagtgcc a gcccagat ggggttagta aat 463

<210> 2066  
 <211> 359  
 <212> DNA  
 <213> Homo sapiens

<400> 2066  
 ccgggactgt cagtgcacaa ggaccaggga cgcggtctgt cctctgaggg ggaggaagcc 60  
 aagagtatct tctcttagat tgggctgagt tcccacaccc agcacacaca ttccctgctc 120  
 actcacctcc cacagacagc tgggaaatga cacctctggt gacagagcca ctctccgggc 180  
 ttctgtgggg agcgggtggg gcaactgcagt gggggaggat ctcacacccg gaggccctgg 240  
 gaagccaggg tgggggaggg aggaagctgg ttctgtttt tcttagagat caaggccatc 300  
 agcctccctg caccttccag ggatgtagta agcaccacca cccaggggc aaagggcct 359

<210> 2067  
 <211> 16146  
 <212> DNA  
 <213> Homo sapiens

<400> 2067  
 gtgtggcgct acttccggct tccttcagtc cgctgggtccc gagcacgagc tgtgagggga 60  
 ttcaacttgt tgccgaactc ctccgaacca tggtagacct gactcccctg cctattgccc 120  
 taccctgtct ccgcccgtgt cttgccaccc cactgcttcc tctgtcctgc tagggacgta 180  
 ggctccgttt ttgtctcccc ggccctccgc acatgggtgcg agccatgcgc ggggctgtgcg 240  
 gcctgcgcca ggccagccgg tggagctcac cagcaggggg aggggtggac cgcaaagcca 300  
 gcgtctcctt gtgcctaggt ctttgcatag tcccggcagc ccagggtccgc gcctcaccgc 360  
 gagcgaagaa atttctagtg tgggacccgc tccgcctcc ttctaggggc ggagcctgga 420  
 gcgacggggt ctgagccatc agagggtgga ggggcgcgag ccttccgagg gtggaagatg 480  
 gaggccgcgt tccctcgccc gcccggcagg cgtcaccttg atggcctgca acccctccct 540  
 gcctcattct tagttcaaga tcgtcttttag tctcgtgta cgtaactgtc aatctcgtg 600  
 gtgtataatt tatactcccg ggggccttgt aaatccgaaa agccatgtcg ctctcctaca 660  
 agtccctctc tcccacttaa atgctttctc cgatgatgga agcttcattt gattgaaaac 720  
 attgttgtaa atgagttttc tcttagatgt ccacttgtaa gactagtgga aggcacctca 780  
 gtgtatgtgt tagagtattg gtacttaaac ggaatgcctc ttgggttttcc ttttcaggcg 840  
 tccctttccc ttgcacctgt taacatcttt aaggcaggag ctgatgaaga gagagcagag 900  
 acagctcgct tggtaagcct tgttctaagc attgttttaa agataaaaact ggaggccagg 960  
 cgcggtggct tactcctgta atcccagtac tttgggaggc cgaggtaggc ggatgaactg 1020  
 aggtcaggag ttccgagacca gcctggccaa catggtaaaa ccccgtttct actagaaata 1080  
 caaaaattag ccgggcgtgg tgatgggcac ctgtaatccc agctactcgg gaggctgagg 1140  
 caggaggatc gcttgaaccc aggagggcga ggttgagtg agctgagatc gcgccattgc 1200  
 actccagcct gggcgacaga gcgacactct gcctcaaaaa aaaaaaaaag taaataaaga 1260  
 taaaactgta cttgaagact gtaaagttga ttctgataat ctcttgggtt tttactccag 1320  
 acttctttta ttgggtgccat cgccattgga gacttggtta agagcacctt gggacccaaa 1380  
 ggcattgtaa gaaaaataga aaagttttat attttaatat tgttttagag cgcttggtgg 1440  
 aaatataata acaagcgtat taaaatgctt tttaatcttt aaaacgttta attataaaag 1500

T02T60" 23005550

acaagtatgt	tctccttagt	aaaaatcaga	gtccccagaa	tcaccatccc	caatcccatg	1560
ccccccccca	atgacaagta	ctgttatcat	ttgcacgtac	atcttctaata	attctgttta	1620
tgtagaagta	tgtgtacttc	atttatgtatt	ttatactcat	gtaacatact	gttttataaaa	1680
acagatacta	tttatcaata	ctttttttgta	gcttgctctt	ttaaattcct	ttcagtgtaa	1740
gtagataaca	ctgccccctt	aactgtcaaa	tattatcctg	taccttaatt	atttttataat	1800
tttaattatgg	ctgtattgat	agtttctttc	cattgttttt	gcagttacgg	tgttgaaaca	1860
aaaactagt	tctacctgtg	cttctagtg	ttctaggggt	agatacatgg	tttggttacg	1920
tggtgtatgt	attgaaaaca	tttgatgaat	ggataccaca	aaatagctat	ccagagtgtt	1980
tatacactag	cactgtgtga	gaatactgat	tgatcccatgc	attcttcaag	atgtgcttat	2040
gtcttaactt	gaaccaatta	tgttcccttt	aggacaaaaat	tcttctaagc	agtggacgag	2100
atgcctctct	tatggtaacc	aatgatgggt	ccactattct	aaaaaacatt	gggtgtgaca	2160
atccagcagc	taaagtttta	gttggttaagt	ctgaatatac	tttttcacca	acctaataat	2220
actgtttgtt	aacatTTTTG	aaataacttt	ataaataggtc	tgtgttgacc	aatcgtactg	2280
tcaattgatg	tccactagtt	gttaattatc	gttgtaaata	tacaagcttc	aggagtgtcc	2340
gtatgttgg	ggtaaaactg	ttgcatttca	gacctcagag	ttccaaataa	tttgttgaat	2400
gaggaaccct	ggtaagttta	gattggtagt	gaatattttt	ggagaattta	gtaagcaaag	2460
aagcaatttt	gagttataaa	ctaatttctt	tttctagata	tgtaaggggt	tcaagatgat	2520
gaagtgggtg	atggcactac	ctctgttacc	gttttagcag	cagaattatt	aagggttaaga	2580
gcaactaagc	aactcttttt	tcctactgtg	tttttgagta	tcagaggtaa	tctagtccct	2640
acttctcttg	tctttactat	tgaggagtgc	taataatttt	tctatttata	acttttggtt	2700
tataacttta	tttaaggtaa	gcagaatctt	taattgcaaa	aaagattcat	ccacagacca	2760
tcatagcggg	ttggagagaa	gccacgaagg	ctgcaagaga	ggcgtgtgtg	agttctgcag	2820
ttgatcatgg	gtttgtatag	caaagtacta	ctgttctaaa	catttagtgt	tctttcataa	2880
catgtttaat	gcaagaaatc	tataggacac	tgaaaagcat	acacaaagat	catcttgctg	2940
cctcacccca	ctccaacagt	caaacctaca	tcagcctcca	gagatagcca	ctaaagttaa	3000
gtttgggttt	ttagtctttt	tgtatatatc	atcaaaatat	acaaataaag	caaatagtat	3060
aatactgtat	agagaatttg	ttagcctctt	tttaacctag	ttaaatatta	agcacatttt	3120
tggatgtcaa	ttttctgtgc	agtattttta	tagagttaca	catttgaata	tttggctaga	3180
atgactgtat	taacctatct	gtagggggag	atttgtgtat	ttgatgattt	ttagcattat	3240
aaaataactt	tgtgacgttg	cgacatagcc	caaagggttc	tagaagtgtg	attgttgggt	3300
ccaaaggtaa	gtgtgtgtgt	tttaaggcac	ccccaaacct	gggctgcaca	gcaggtgagc	3360
agcaggtgga	aaaattgtct	tcccatgaaa	ccagtcctctg	gtgccaaaaa	ggccggggac	3420
cactgtttta	aggcacttct	atttatttgc	ccattcacaa	ctgtataata	atacttgttt	3480
ttcacgtcct	tttatttatt	tatttatatt	gagacggagt	ctcgctctta	gagttgccca	3540
gaatggagt	cagtggcacg	acttcggctg	actgcaacct	ctgcctcccc	ggttcaagcg	3600
attctcttgc	ctcagcctcc	caagtagcag	ggactacagg	catgtgccat	catagccagc	3660
taattttgta	tttttagtgt	agatgggggt	tcaccatgtt	gctcaggctg	gtcttgaact	3720
gacctcaagt	gatccatcct	cctcagcttc	ccaaagtgtc	aggattacag	gcgtgagcca	3780
ctgtgcccgg	ccatttctca	cattcttgcc	aacattagac	ttttgcatgc	ttgtgtggcc	3840
cccacccctc	tttttttttt	ggcatttttgc	cagtttgggtg	gggaaaataa	catctttaat	3900
ttgtgtttct	tgattactgc	tgaggtttaa	ttcttttcat	atagcttaca	gacttgatca	3960
gttagggtaa	aattatctat	tgacatgaat	atctagataa	attttgaaaa	gtaaagtagg	4020
gttaatatgt	atatttgggt	ggttttatct	agttccgatg	aagttaaatt	ccgtcaagat	4080
ttaatgaata	ttgcgggcac	aacattatcc	tcaaaacttc	ttactcatca	caaagaccac	4140
tttaciaaagt	tagctgtaga	agcagttctc	agactgaaag	gctctggcaa	cctggaggca	4200
attcatatta	tcaagaagct	aggaggaagt	ttggcagatt	cctattttaga	tgaaggtagt	4260
tatgaatgtc	agatacaaga	agctttgatt	agatgtgag	ggctgaatac	tgagtgaatt	4320
ctgttttgag	accagtgacc	ctttacaaag	ccagtgaact	tgaatttaag	gacatatcat	4380
atgtgcaacc	atttttgtca	ttttattgac	agtgtactcc	tcttcccgcg	ctattccagc	4440
attgttgatg	atctctagag	tttacttaac	taccatgaag	ttatttgcag	tctctgataa	4500
agaggaaatg	ttttctttta	ctagaaatca	tctattctca	aatgggtactt	ttaccaggat	4560
tatatgtatt	ctccagggaag	ggtctgggtc	agtcaaatca	ttgtgttagc	tggttgttga	4620
ggatgtacag	ttgaccattg	aacaacatgg	gtttgaatta	tgtaggttca	caatgcaggt	4680
tttttcaata	aatatagtca	gccctttgtg	tccgtgggtt	gcacatgtgc	aaccgaacgt	4740
ggatggaaaa	tgcagtattt	gcaggatttt	aaacccatgt	atatagtggg	ccagcttttc	4800
aaatctgtcg	gttccagtca	gcttggaaact	taagtatgtg	gggatttttg	tgtatgtggg	4860
cgtcttgga	ccagtcctct	tcgtatactg	ggggatgact	agtttttttt	agaaaagaat	4920
taaaaaaaat	ttctttaaca	aataattatg	tatgtttata	gggcaagagg	atctagttct	4980
taaagagtga	taaataagac	ataataagta	ctgctttctt	agtagtacat	ttttgtttag	5040
agtgaagttt	tccagatcat	cttcacatta	tatttacttc	acaaaatggc	ctgtcaaaaa	5100
gtataggcat	tcttatatag	agaaggaaaa	aaaaagaatt	agatgggtgt	ttacaacttc	5160

Case 1:13-cv-00000-00000

tgtttttacc	agtgggtttgg	agtcctgggt	ttgttctgtg	tcataggtct	tgatttattt	5220
taagagagag	tcataattct	gaaaatactc	ttgattaaagt	ttatatacaa	gagctgtgta	5280
gcattttctt	tttttttttt	ttgagacgga	gtctggctgt	gtcaccacagg	ctggagtgca	5340
gcagtatgat	ctcgccctcac	tgcaaccact	gcctcctgag	ttaaggcgat	tctcctgcct	5400
cagcctcctg	agtaggtggg	attacaggcg	tgtgccacca	tgcttggtcta	acttttttgt	5460
attttttagta	gagacggggg	atcgccatgt	tgaccaggct	ggtctcgaac	tcctgacct	5520
aggggatcca	cctgcctcag	cctcccaaag	tactgggatt	acaggcgatga	gccaccatgc	5580
ctggccgctg	cgtagcattt	ctgatagggg	ctgggtggtag	ggaaggagca	ttaaaacaag	5640
aataattagta	gcacaagcag	caccatttct	gaatgtctgc	tctgtactag	gaattgtaat	5700
aggaacttta	gtcatttagt	catcatgacc	tggtgagtga	ggattaggtt	cacttgaata	5760
gagtagaaaa	cccaagataa	tggtggcttc	ataatggaaa	agtttctaata	gtaaccaaaa	5820
aaaggcctag	aaaggtaggt	ggtactgggt	ttgtatgatg	gttccaaagc	agcaggacta	5880
ggctggtaac	tagcacctct	gctactgggt	acattcctgt	tttacaatt	agcatttctg	5940
ggttgataat	ttgtcgaagg	ttatatagcc	agcagcaggg	gcatgatcag	ggtcagattt	6000
atctgactcc	acgggtgtcca	tggttttttcc	atttttacca	ccagcctcaa	tacctgaatc	6060
ttcaattttt	ctcttgtggg	ggtgatttta	agctaataaa	aatataggac	ttaacctatt	6120
gtctttatat	tgcaacccat	acagatgtgg	gtgtagcgta	tatctgaaac	aaaagtttca	6180
aaatactgtt	taatttttatt	gtctgtactg	tgctcttata	ttttctgttt	catatttttt	6240
aagtaacca	ttaaattgat	tttgaataaa	ctcttctagt	gggatgcttt	ataccagaag	6300
tgtccaagga	agagaataca	gtcatggggt	cctagtctct	gtttctgggt	gggtcggtaa	6360
agcccccttc	tctctcctct	tttctgctta	tcactagaga	cagaaactaa	aatccatggc	6420
tttcaggcgc	taaaagccta	aaagcaaaaac	aacaacagaa	taaggcaggt	tggacaagct	6480
tgcttttatg	ccttctaaga	gcttggtaaa	ttggacttaa	atagcttctt	tgaaacagtg	6540
atatgataaa	gcagacagct	ttttataaga	tttactaagg	ctgctttgaa	gtattaaata	6600
tgatactgtt	cttatattta	ttgtaggctt	cctgttggtg	aaaaaaattg	gagtaaataca	6660
acaaaaacga	attgaaaatg	ctaaaattct	tattgcaaat	actggtatgg	atacagacaa	6720
aataaaggta	tgtaactcta	cttttttaaaa	attaaaaatta	ctgcccaggc	agagtggctc	6780
atgcctgtaa	tcctagcaat	ttgggaggcc	aagggtgggtg	atcatctgag	atcagaagtt	6840
tgagaccagc	ctgaccaaca	tggagaaacc	ctgtctctac	taaaaaaaaa	aaaatacaaa	6900
attagctggg	catggtggcg	catgcctgta	atcccagcta	ttcgggaggc	tgaggcagga	6960
gaatcacttg	aaccocaggag	gcggagggtg	cactgagccg	agattgtgct	actgcactcg	7020
agcctgggca	acaagagtga	aactccgtct	caaaagctct	aaaaaaaaaa	aaattgctgg	7080
attctataaa	ctcaggaatc	aattgcacta	aaaagcttgg	aataggatatg	aatctattgt	7140
gtatatacac	atatatatac	gttggtataaa	atgttgaaat	atgctatggg	actctttaaa	7200
aagagtaatg	aggcctggcg	tggtgggttca	cgctgtgaat	cccagtaact	tgggaggcca	7260
ggcggggcga	tcacaagggtc	aggagttcaa	ggccagactg	accaatgtga	gatggtgaaa	7320
ccctgtcttt	actaaaaata	caaaaattag	ctgggtgtgg	tggcgcacac	ctgtaatccc	7380
agctgcttgg	aaggctgagg	caggagaatc	acttgaaccc	agcgggtgga	ggttgacgtg	7440
agccgagatt	gccccactgc	actccagcct	gggcaacaga	gcgagactca	atctcaaaaa	7500
aaataatgaa	actgatgctc	tctttatgct	tcgtttgtct	tagatatttg	gttccccgggt	7560
aagagttgac	tctacagcaa	agggttcaga	aatagaacat	gcggaaaagg	aaaaaatgaa	7620
ggagaaagtt	gaacgtattc	ttaagcatgg	aataaattgc	tttattaaca	ggtctgtggt	7680
tgcttttaag	aaaggatttt	tttccatgaa	agtttatgga	atacttcata	tttacttata	7740
ttgaattaga	ttttttacct	aggaactgtc	ttagataact	tcacttaaat	tatggatttt	7800
tgtaatcagt	aaattgtgat	ttatgcacac	ttacagtgac	cagaattacg	ggattgattt	7860
atacagttac	tataataaag	aacacttctt	ttcatactag	taatggatgc	attagtacta	7920
tagttgataa	actctaatta	tataggtaag	aaatgcaatc	ttgttctaata	ttgcatttct	7980
tttacttggt	gtaaaaatgt	ttacatgttt	tttagcttaa	tgtagtttat	cttgtaacag	8040
ttgtgagcat	aatgttttca	tgtaaaaata	ttacaggcaa	tttaatttata	attatcctga	8100
acagctcttt	ggtgctgctg	gtgtcatggc	tattgagcat	gcagattttg	caggtgtgga	8160
acgcctagct	cttgtcacag	gtatggaaaa	aagggtattgt	tttctaacaa	acacaatagt	8220
cactcttgaa	tttgttattt	gttactatat	gcaactacct	tttaaggagt	tagaattttca	8280
gcagttattc	tgaaatctat	tctcttggat	acctttaatt	tagatacata	gatacattac	8340
atttacgata	ccaagttata	taccacattt	gccgtaggta	tagatttctt	tcattgtgtc	8400
actgttttaa	aggtagattt	ttggccagg	gcagtggctt	gtgctgttaa	tcccagcact	8460
ttgggaggcc	gaggcagcca	gatcgcttga	cctcaggagt	ttcagaccaa	ctttggcaac	8520
attgcgaacc	cacatcccta	caaaaaaaa	aaattggcca	ggtgtgggtg	caagcgctg	8580
tgatcctagc	cacttggggg	gaggctgagg	gaagagaatc	gcttgagcct	gggaggcaga	8640
ggttgacgtc	agcggagatc	gtgccactgc	gctccagcct	tggcgacaca	gtgagaccct	8700
gtctcaaaaa	aaaaaaaaaga	tatgtatatt	ttttctcac	aaacctgtaa	gaccgttggt	8760
aaaatctgaa	caaactagag	ctttaaaaaag	tcttaagtct	acttacattt	atctagttcg	8820





16146

ggtttct

<210> 2068  
 <211> 100  
 <212> DNA  
 <213> Homo sapiens

<400> 2068  
 ggtggatcac ttgaggtcag gagttcaaga ccagcctggg caacatgggtg aaaccccatc 60  
 tctactaaaa atacaaaaat tagctgggca tagtgggtggg 100

<210> 2069  
 <211> 1744  
 <212> DNA  
 <213> Homo sapiens

<400> 2069  
 attcaaggct cactccagtc cactgtttcta gtttccgtct tccctcccct gcacatacta 60  
 ctgcatgtac ctccacagtc ttccctttttg ctttgctggc atctcatgtc tttgttgccct 120  
 atccaaagctc cctggttgaaa ttctatccat acttataatt aacatgtccc ttgattcata 180  
 cagactttat cagcctgccc ttagttttctg tcagacagaa ttaagtcctc tgttcccata 240  
 taaagcagat ctttatagct gtttttagtag atattgttta tataatctctc tctttcacag 300  
 ccccttgtaa cccatctcat tcccatattc tctttcaacc cccatctctg attacagata 360  
 gaaaggggtga taagtttgtg ggctgtgtct ctttaatctt gtacctccac agcatctagg 420  
 acagtgtctt gcctaaagca aggatggaat taacatttgt taatagacgc ttatctgtca 480  
 gtcttactat cctcaccctg cttcataagg aaattatatt ttatttataat tttatttcaa 540  
 atcagtaata ctgctgtgca catcactaaa acctcaaaaa acagaaatgt ttgaaataag 600  
 aattttcagg tttgccttgt gataactgta tactaactag ttgaaagtat ggattcagta 660  
 tcttcaaagt gttctgattt gctaggactc actgttttct tgtgtttaat cttcagtttg 720  
 tgaggtcatt taattttagtag catttgcaaa tgttatactg aaaaactctg agaatgaaat 780  
 aagtcactat actacgtatt tttataaata aggaagtgca caattatgtg acttcacatt 840  
 tcttgcttgc ttgctttttt tgggggtggg acagagtgtt gctctgtcac ccaggctcga 900  
 gtgtgggggtg gtgtgatctc tgctcactgc aacctcctat tcccaggctc cagtgtacct 960  
 tctgcctcag ctgggactac aggtatgcac caccatactg gctaagtttt atattttttg 1020  
 ttgagatgaa gtttactgtt gttgtccagg ctggtcctga actcctgggc ttaagtgatc 1080  
 cactacttcc agccttccaa agtgctggga ttacaggcag gagccactgt gtccagctta 1140  
 cattttttgt ataatacaaca ttagccagag taaccacact ttagatctgt tggcttctag 1200  
 gaaaagcaat atgtgtctgg atgtgtggg tcacacctgt aatcccaaca ctttggggagg 1260  
 ccgaggtcgg aggatcacct gaggtcagga gtttgaaacc agcctggcca acatgggtgga 1320  
 actccatctc tactaaaaaa aaaatacaaa aattagccgg atgtgggtgg gcacacctgt 1380  
 aatcccagct acttggggagg ctgagacagg aaaatcactt aaaaccagg aggcggagggt 1440  
 tacagttagc tgagattgctg ccactgcagt ccagcctggg tgacagagtg agactctgtc 1500  
 tcaaaaaaaaa agcgaagtta catgcaataa aatcacacag aaaaattatt ttttaataaaa 1560  
 aattaaaaca attgacagat atcagttata tgatttattt ttccaactgt tatatgtgta 1620  
 tttctgagtg ccctttggct tcttgcccgg tggtaacttg agtcatagga taaacatggc 1680  
 atattttcct taagtgtcaa tattactcaa caaatatagg ttaaaaaagc attctatctg 1740  
 atgt 1744

<210> 2070  
 <211> 94  
 <212> DNA  
 <213> Homo sapiens

<400> 2070  
 acgtgcagggt ttgttacgta tatatacatg tgccatgttg gtgtgctgca cccattaact 60  
 cgtcattttaa cattaggtat atctcctaata ccta 94

2025-09-23 10:00:00

<210> 2071  
 <211> 199  
 <212> DNA  
 <213> Homo sapiens

<400> 2071  
 tgcaacctct gcctcccgtg ttcaggatgat tctcctgcct cagcctcctg agtagctggg 60  
 attacaggca tccaccacca cgttcagcaa atttttgtat ttttagtaga gatgggggtt 120  
 catcatgttg gccaggctgg tctcgaactc ctgacttcag gtaatctgtt ctccttggcc 180  
 tcccaaagtg ctgggatta 199

<210> 2072  
 <211> 11597  
 <212> DNA  
 <213> Homo sapiens

<400> 2072  
 cggctcacgta actagttagt tgtgcagcta gggtagaat aaacagattt attttttttt 60  
 tttcttagaa acagcaatta acaatgtgac tcctaataca aagaaaagag atgtccttgg 120  
 ggcttaaagt actatgggtg gagtcttgga ctgagtaggt ttgaaaatac aattttatga 180  
 tctgtggagta ctaggattta gtcattttga tgcagagcat ttcctgatca actgctgttg 240  
 tggagtgtac tgtccaatag aattctctac aattaaggaa atgttctgta tctcaagaga 300  
 ttgttcttaa tgggtggccag tagtcatgtg accgttgagc atttgaaatg tggctagtgc 360  
 tactgaagaa tgggaattgta aattgctttt aatctaaatt ttgcctgtga tattattggc 420  
 tgtgggtttg ccaaaatttg tttttttaaa gaggaaaaga taacggactg ttggctgctt 480  
 tattggacag cacagctagc atatatagtc agataggtag tataacttgt ttgtagttaa 540  
 atataaatgt tgtattttgt aattaggcca aatttgagtt tcatcatggt gactatgaaa 600  
 aacagtttct gcatgtactg agccgcaagg acaagactgg aatcgttgtc aacaatccta 660  
 accagtcagt gtttctcttc attgacagac agcacttgca ggtaagcagc ttttttga 720  
 accacttaca ggctcattca aaaacttatt ggtagtaaa cgttttatat acaagtact 780  
 taattgttgt gtcccccaaa cactgcatta tttttgaagt tatttaaaaa gcaaaaaata 840  
 ggctgggcat ggtggctcat gcctgtaatc ccagcacttt ggaaagccga ggcgggcata 900  
 ttgcttgagc tcaggaattc cagaccagcc tgggcaacat gacgaaacc catctctaca 960  
 gaaaatataa aaactagcca ggcatgggtg cgtgtgcctg tagtcccagc tactggggag 1020  
 gctgaagggg gaggattgct tgagcttagg aggtacagt gagatcttgt cactgcactc 1080  
 cagcttgaat gacagaacga gaccctgtct caaaaaataa aatgaatttt taaaaaagta 1140  
 tttcccaggc ctactgtag aacaatggtt cccaaatttt gctgcatgtt acagcaacct 1200  
 ggcaagcctt tttttttttt ttaaaccgga aaaaaccac ctccttcgaa gcttttaaaa 1260  
 gtcattgattc tagtgaacag tagtgagaac tattgcctta aagcgtgtct accagatgtg 1320  
 tgggcaatgg atgaacatca cttgagaact tgtaaaaaat atagactctc aggtctact 1380  
 aatcagagtc tgcactttta acagaaccct cagggtgatt gaaacacact ttgtttccag 1440  
 aagcactgac ctggacgttt ttttttttct tgagagggag tctctgtcgc ccaggctgga 1500  
 gtgccgtggc gcaatctcag ttcgctgcaa gctccacctt ccgggttcac gccattctcc 1560  
 tgcctcagcc tcccagtag ctgggactac aggtgcccgc caccacgccc agctaatttt 1620  
 tttttttttt tgtatttttag tagagacagg gtttcaccat gttagccagg atggtctcaa 1680  
 tctcctgacc tcatgatctg cctgccttgg cctaccaaa tgctgggatt acaggcgtga 1740  
 gccaccgcaa cggctgact ttttaaatct aaaaaggatga gggacatata tttaaaagat 1800  
 ccacatttat ttcaataaag cacttccatt tgggcacagt gtctcacact tgtaatccta 1860  
 gcatttttgg aagccgatgg gggaggattg cttgagtcca agaccagcct gggcaacaga 1920  
 gtgagacgac atctctacaa aaaatcaaag aaattagccg gacattgttg cgtgttcctg 1980  
 tggctctagc tactctggag gctgaggcag gggagaatca cttgagccca ggagtttaga 2040  
 gttgcagtga gccatggcac caacacactc ctgcctgagt aatgcagcga gacccatct 2100  
 caaaaaaaaa aaaaacaccg ccaacaacaa ataaccactt cccagttaag cagcaatcca 2160  
 agtattgcaa tttagttttt agatgcagcc acttgcctgg tgtatgatct tggacaggta 2220  
 actgctgtga gcatgttgct tctgtgaaat tgaacaaatg ataactctaa ggttggttaa 2280  
 tttacgttaa ggttggttaca tttaaaatta actaatataa gtaaaagtata ttacatatgt 2340  
 ataggtttat ttacatttgt aggtacttct agacatcttc aaagtcagag tccttatttt 2400  
 gcctttttaga ggtgctagat agtgaagaaa agatgaactt tgtaattaag ttggatgttc 2460  
 aaatggtaac tactttttta aaataagggt tttgatttaa ctggtaatac tttggctttt 2520  
 ttctagtccc ttaccccagg atatgcttaa atcttttatt tattttttga gacaaggctc 2580

00500550  
"09T62T02"

caactctgtc	accacgctgg	agtacactgg	catatggatc	atgggtcacc	gcagccttga	2640
cctcctgggc	gcaggttatc	cacctcagct	tcccagtggt	ctggactaca	ggcgtgtgcc	2700
accacatcca	gctaattttt	atattttttg	tagagatggg	ttttcgtcat	ggtgcccaga	2760
atgggtctga	actcctgggc	tcaagcaatc	ctcctgactc	agcctcccaa	agtgtctggga	2820
ttacaggtct	gagccaccac	acccagcctt	aaattttttac	ctattccttc	atcctctcac	2880
tagctttctat	tcttaccaca	tctgctttat	cttcctctat	ataaaaatga	cttcaaactt	2940
ctcaaaatct	gtcccatga	aatgccttta	gctttaattt	cttctagcaa	gtagtctctg	3000
gtttacttcc	ctaacttttt	atcttcta	tctgcataaa	tttttccttt	atcttatatg	3060
gcaagatttt	gtctgtctag	aatatggata	gggactacaa	tttgtccctt	actctgtatg	3120
ttaagatggt	taataaattg	tgggaaatgg	acttcacgtg	acagttacgc	taaagtctta	3180
tttttaaaaa	atattaaaa	gttttccctt	tccagactcc	aaaaaacaaa	gctacaatct	3240
tcaagttatg	cagcatctgc	ctctacctgc	cacaggaaca	gctcaccac	tgggcagttg	3300
gcacataga	ggatcacctc	cgtccttata	tgccagagta	gagtactgac	cagcaaaatg	3360
gagaagatca	gagaatgcag	cagcagtttt	ttttcttgtt	ttcttaccac	tttattcttt	3420
cagagtttaa	agaaaatgga	ctcatgcaca	gaacactatg	cattttgaaa	cttgttcac	3480
ctggattttt	ttaaatcatt	tttatctcag	aacttaaaca	aaaattagat	gtcgtgcacg	3540
gactgtgtga	aagaagatgc	tttgcatatt	tgctgcactg	catcagtatc	ttactaaaaa	3600
tgtgaaatga	aaggactatt	gtacactgaa	atgcttaaat	gtatctgaaa	gcacaagggtg	3660
atactcattt	ttatggtcct	cccatttgtg	ctggtttttg	cctccttgac	atctgtcatc	3720
agtattttag	gggtgagaag	tgaatgtaac	aggtataaat	aacattttta	aaaacaataa	3780
ctttgctata	atcacagttg	tccagagaca	ctgtcagata	cattctaattg	accagaactg	3840
gttttaaaaa	agaaaatata	accatgggaa	agaaatctta	aatgaaaaac	gcatctcatt	3900
gtaggcattt	ttgcctcata	ttttactggg	ccatgtttgt	ttcctgggtac	tcatgtattt	3960
tttttttcca	gatctctttc	cccaagttgc	tattgtaaga	gtattctgct	gcgtgtggat	4020
gcagttatac	acattaaagc	agatctggag	tctgaagtag	ctataaagca	gctataaaac	4080
agaaatacat	gcatagctgc	agaaaccatg	ataggtagag	gacttttctt	ttggttttgt	4140
tttggtttgt	tttggtttgt	ttttggtttt	acagagaaga	gattttttatt	acaaagaaaa	4200
aaattccagt	gaattgtgca	gaaatgctgg	tttttacacc	atcctaaaga	aaaactttac	4260
aagggtgttt	tggagtagaa	aaaaggttat	aaagttggaa	tcttaaattg	taaaattaac	4320
cattgagtgt	caaagttcta	aaagcagaac	tcattttgtg	caatgaacat	aaggaaagac	4380
tactgtatag	gttttttttt	ttttctcctt	ttaaatgaag	aaaagctttg	cttaagggtt	4440
gcatactttt	attggagtaa	atctgaatga	tcctactcct	ttggagtaaa	actagtgtct	4500
accagtttcc	aattgtattt	agcttctggt	tgggaatttga	aaaaaaaaga	aaaaaagaaa	4560
aagaaaacct	aaataaaaata	ggtgaaagtt	ccctgactat	tcaggtgaat	acacaaagtt	4620
tgaagtgtta	actttttctt	tccatttcac	tgatgttact	ggtcacctta	gagaattatt	4680
tcatagtctg	tggctaaata	gtaaattcag	aagaaaaata	cctggcaatt	gagtgtgtaa	4740
cttcaacaag	aacaggaatc	aagaacatac	tgtcagcttt	caacagttag	caacctggcc	4800
ttatgccttg	cttcatggga	aagggccatt	cttaaaattc	aaaatgcctt	catgtgtcct	4860
cttattttaa	aattagaatc	tatttgaaat	aacattttga	atgtttatta	taaccaggta	4920
ctcttctaag	ctcttgtctt	aacctctcaa	cctttggtgg	aaatagatgc	agagggttaag	4980
taacttgtct	aagctcagat	cataagtagt	ggaggattta	aaaccaggct	ggctggctct	5040
taaggcctat	gctcttaatt	taccatgttg	aattaattta	ccatattgaa	ttacacttat	5100
gttcaccaag	ttaggcattt	tggcagccat	tgtttacgtt	tttatttttg	aataatttag	5160
aaaagttacc	agagtaatat	gaaagctggt	gtgtaatctt	tacctctatt	tttattattt	5220
tgccacattt	ttttcatttt	ctctgtacac	ttatacctgt	gagctatttg	agtttgttgc	5280
acactttgtg	cttccttacc	ccttccttag	tacttcggca	tatgttccaa	gtacaagaat	5340
atttcatata	actagagtaa	aattaccaaa	ctcagggaat	gttgatactc	tttatcatcc	5400
atattcgttt	tgttgtccca	gtatccttgg	tagctttgtt	tagatcccc	cctctagagt	5460
acaggatcat	tgaatttagt	tgttctcagt	tgtctttaat	gtggaacagt	tccttagcct	5520
ttatgtgttc	catgacctct	atgttttttg	gagtacaggg	caatttttct	tgtaaattgt	5580
tactcatttt	gcatttgaat	tgtttattca	tgtttaacgc	ccttctcaag	tatactctcc	5640
atctgctctt	cattgatgtt	acttttgagc	gcctgggtcaa	ggtgtcctgg	ttttgcccta	5700
tgtgtggtac	ttactactag	caatctctgg	gaagcaatgt	gcaaataccc	tgttccttta	5760
tcaggagctc	ccttggcgat	tctttccaga	ctaaaaccca	aaccagtctt	taactatgat	5820
ggttacaaaa	tagtgatttt	ccaaatctaa	tgtcttgtcc	atttacagca	tttgttgtaa	5880
gagagtgttc	tatctctgcc	atattattat	tacctaaca	ctatggcctc	atattttttc	5940
cctccaaatc	ataatttgca	tgcctttatt	attttgagca	tctcctttca	tgcataagat	6000
actgtaacct	ttctgtccca	gcctcaagcc	ctggagtcag	ctgtttctcc	aaggagccca	6060
gcttcctttt	agtgggaaat	actagaagta	aacatctggg	actcctgtat	gctcactgct	6120
gctattgcta	ctgtggagtc	ttctgccctt	tcacagtggg	cagatcagca	ggcgatctaa	6180
tgtagggaaa	ggatttgcct	ttaactgtta	acttgactta	aatttactta	aagctgcac	6240

005003-09150

cttttttagtc	tttagtcatg	aaatgttcat	taagattccc	tgacagaaat	caagtaagag	6300
tcagctgggt	gcagtgggtc	acacctgtaa	gtccagtact	tggggggcca	aggcaggagg	6360
attgcttgag	cctagagatt	tgagacgagg	ctgggcaaca	gtgagacctt	gtttctacaa	6420
aaataaaatt	aggcgtgggtg	gcacacgcct	gtagtccag	ctactcagga	gactgagggtg	6480
gaagaatgtc	ttgagcctgg	gattttgagg	ctatgggaag	ctgtgattgt	atcactccag	6540
cctgagtgc	agaagctgtc	tcagagtgcc	acagtcaact	gaacttggag	acttctgaga	6600
agtgaacttg	gtcttttcaa	tactatagac	ttggaggttt	gagatctgca	tggttttatt	6660
ctcggtacaa	gaaaaggggc	tagtagcatg	ctttttttct	tccccctcta	ttggaccatt	6720
tcctgtaaca	ctaacatgct	tagcctcaaa	cttttcttga	ggtctttttt	aggcatatgg	6780
ctcaatctat	tttattttttc	aatatgggct	gtagttcata	tattttgaag	tttcataatc	6840
ttaaaaaaag	gaaatgcaag	tgtagcttgg	cattttagat	ctgggaagga	cctaagattc	6900
gctaaggatt	ggccattgct	gtggctctcca	tgtgtttccc	ctaaatttgt	atgttaaaat	6960
cccaaccccc	aaggtgatat	tagcaggtgg	gggtctttgg	gaagtatta	gatcacgagg	7020
gcagaaccct	caagattgga	gtaagtgcc	ttacaaaaga	gaaccaggc	tgggcacatt	7080
ggctcacacc	tgtaatccca	gcactttggg	gggccaaggc	aggcgatca	cctgagggtca	7140
cgagttcgag	accagcctgg	ccaacatggg	gaaccctggt	tctacaaaaa	actacaaaaa	7200
ttagctaggt	gtgatggcac	atgcctatag	tcccagctac	ttgggaggct	gaggcaggag	7260
aatcacttga	accagggggg	cagagattgc	agtgcgcca	gatcgtgctg	ctgtactcca	7320
gcctgggcaa	cagagcgaga	ctccatttca	aaaacgagaa	cccagagggc	tcacttgccc	7380
cttccaccac	acagtgcaga	ggcaccatct	atgagccagg	aagcggggcc	tcacctaaca	7440
ggatctgctg	ggccttgacc	caggactttc	cagcttctag	aaccatgaaa	aatttctgtt	7500
gttctctagca	gcccacaacag	aattagaacc	attaatttct	atttctcctt	tagcttaaca	7560
ctggacttta	gttttaattct	taactgagag	tggctctgct	agtttctttg	ctttacctgt	7620
ttttaaaaca	ctttgagcta	agaatttttc	acccaattat	cacacatgat	tagaaaacaa	7680
gatgcttaaa	gtgaaaaaag	acacccccac	ctttacccta	cttgatatcc	aggtcctttt	7740
cctccaagaa	tatttctagc	tgttctctgg	tttgctagtt	tatttcaaaa	attacaattg	7800
tttgagtcaa	atctatactt	gatattcatt	gttgggtttc	tttaggtcat	tctgctgttc	7860
tctcagtttc	ccaggtgttt	tgtgtgtctt	ccttgtgcta	ttaattttcc	tgtggccttg	7920
ttggtcagat	ccacagaggt	aaatgcaagt	gtttttcctt	gcttcagAAC	atgtgctgta	7980
atcactatat	cttctcctaa	ttttgcagg	gacatgtacc	ttgaaagaaa	atgaatatag	8040
ttaacagcag	ataatttttc	aaagggaag	ttgtgtgcat	ctcacacag	tgttcctatg	8100
taacttattt	tactcctaaa	aatagtttta	acggtagtat	tggtaagctt	tctgtactat	8160
caaagtgtgaa	tggctggtcc	taaccaggtt	ctattttacc	cattccttac	ccacacaagt	8220
ttcttttccc	aaatatgtga	gaagagggtt	tcttgccctc	ccttttttcc	ctttacattt	8280
cccacttcac	atttattttg	ggctgggtgaa	agattttcct	cagctttcat	ttaatctcct	8340
taacttctta	gatgaaatat	cacttggtgt	ctgtatatgt	tcctatccat	atttacaatt	8400
tatttgactc	taaaatgaca	atataacaac	tataaggaat	tgatatgatg	tccttacaat	8460
cttgatgatg	gactgtctat	attttttaaga	gatgtacatc	ctagtcaact	gtaatcataa	8520
gttgtcttta	actcagctgg	ctccagctaa	ttaaaaaaa	aattggggag	atgaggattg	8580
tttaaaacaa	atgttaatgt	tttaaaaggga	aataatttcc	ttacagttta	tttttatgtt	8640
tctgcttttt	agaaagaAAC	ctttaaaaag	gatatgtatt	tttgccatat	tcaaaataag	8700
acttcagtat	ttatggctag	gaggataaag	aaagggtggat	ctggccgggc	acgatggctc	8760
aagcctgtaa	tcccagcact	ttgggaggcc	gagggtgggca	gatcacctga	gggcaggagt	8820
tcgagaccag	cccggccaac	gtggtgaaac	cccgtctcaa	ctaaaaatac	agaagttagc	8880
taggcattgt	ggtgggcacc	tgtaatctca	gctacttttg	aggctgaggc	agaagaatgg	8940
caggaaccca	ggaggcagag	gttgcaagtga	gccgagatcg	cgccactgga	ctccagcctg	9000
ggcaacagag	caagattcca	tctcacaaaa	aaaaaaaaaa	aaaaaaaaaa	aagggtggatc	9060
ttattgctgg	aaagaacagg	cttgtcttta	attcacatac	ctcaatgtaa	agaaatgaaa	9120
aatagtatgt	ttagtagtag	tttggccagt	ttttattatt	tccctaaatt	ttgtcttaga	9180
aatcaagaat	tttggttaac	agccattaac	ttaaactgag	ggaagataag	gaaccctttg	9240
tgctacagat	gagtaaacad	taagtcgggg	gaatttggag	attgacattt	tgtcagtaat	9300
actctaaaa	ttcccctttt	gttgttttgg	aaactcgctt	gtttttaacc	taagtcacag	9360
tctaacaggc	atcctcagtc	tgtataatat	aggacttgat	gtgcaggggt	ggagtaaatt	9420
tgggtaccatg	tcaagtaa	caaagagtga	atcatgaagt	gttaactgac	tgaaacatta	9480
ttcattttact	tttgaaatat	ctctaacttt	tgaaagacca	tgtcctagtt	tttgttgaag	9540
tgaatcagtt	tttgaagcgt	aggcagctct	tgatggccaa	tgtctttggc	aacacataat	9600
tgaaggcca	aaactatgtt	tgacttactg	aaaatttctt	agggttctaa	aggcaaaagt	9660
accttagtag	atcatgaaat	gcagtgtctg	gtttgaagat	ctctctgtct	ttaatagaga	9720
cttttagggg	aaatcaagtc	atctactgat	ctcacctctt	accacatgaa	ataaggactg	9780
ctgaatatgc	acaccagtaa	cataagcaga	gcctttcttt	tctgtacatc	ttaatttcaa	9840
aaagagcatt	tggctgcac	ttgtaatttg	cttattgtac	cctcaattta	agttattccc	9900

TCAT60-28005650

atgaagaggg	actgaatggt	tcttaagtaa	acttgataaa	atatttagat	tccttaaaag	9960
cctacattgg	ctgggcgcg	tggctcacgc	ctgtaatccc	agcacttttg	gaggccaagg	10020
cgggcagatc	acaagggtgag	gagatcgaga	ccagcctggc	taacacgggtg	aaaccccatc	10080
tctactaaaa	atacaaacia	attagtcggg	catgggtggca	ggcgctgtga	gtcccagcta	10140
ctcgggaggg	tgaggcagga	gaatggtgtg	aaccggggag	gcggagcttg	cagttagccg	10200
agactgcacc	actgcactcc	agcctggggc	acaaagcgag	actccgtctc	aaaaaaaaaa	10260
aaaaaaaaaag	cctacattat	ttccattacc	ctcatatcta	ctcacaatgg	ctctctcaac	10320
ctgacctctc	agttagttac	atTTTTgttg	cttaggtgga	aaaagcagtt	gtcttgaaac	10380
taaatccctg	tgcccagctc	tttctttatt	gaatggggct	gcagtagtac	cagtttatgt	10440
tggaattgag	tttctttacat	tttggaagtt	tgaccctgag	gggcaactgt	ccctgatcat	10500
gtagtttaac	tcacagaaca	tgtctgtgta	gtcacaggga	gagatccagg	attgctgccc	10560
attcttaaaa	ctcaacactt	tgggaggctg	aggTgggtgg	acactggagg	tcaggagttc	10620
aagaccagcc	tggccaacat	ggTgaaaccc	cgtctttact	aaaaacacaa	aaattagccc	10680
agcatggtgg	cgcacacctg	taatcccgag	tactagggag	gctgaggcag	gagaattact	10740
tgagccccag	aggcggaggc	tgaagtgagc	cagattgtgc	cgctgcactc	cagcctgggt	10800
gatggggaga	ctccgtgtcc	aaaaaaaaaa	aaaaacccca	gcaatggtgt	tcagtttggt	10860
agagtaagat	tataatgtgt	atatgaactc	taactttact	ttgaattgta	tgtactcaat	10920
acaatcctca	tagtggtata	agtgggtattt	ttaaaattaa	ataatattta	ttttttgtag	10980
agatgggggt	cttgaactcc	aggcttcaag	caatcctctt	gcctcggcct	cccaaagtgc	11040
tgggattata	ggcgtgagcc	actgcgtctg	gcctgaatg	gcacttttaa	ggactgtatg	11100
aaacagttat	gagccatcag	tttgtgattt	ttccccctgc	atcagtatac	acattaaaag	11160
ctgaatggtg	ctcttttgaa	tgtttgggat	cattcccttt	ttactattga	tacacactgt	11220
acttgcaaat	taactgctct	agttctagat	tttaaggctg	gaatatttta	ggacaaaatc	11280
tataggtgca	gttaaggaga	taagcagcta	attgaatctc	atgctgtact	aataatataa	11340
atgtgtttag	tctcagttgt	ttagacagtt	atcacacaga	agggatttgg	aatacagttt	11400
ggatacatat	gttatgttca	tatcgacact	gactccgggt	gctccccctt	ccgtgcatag	11460
cagagccatt	gttgatatgt	tatctactaa	cgtggctgtc	aaaccgccgt	ggagagtgcc	11520
tattgcattg	gtatgctctt	cttctacttt	catttcacaa	atcactttcc	caggagcagc	11580
agagacaaga	gtaatct					11597

<210> 2073

<211> 22073

<212> DNA

<213> Homo sapiens

<400> 2073

accctctccc	gcccgtccca	cccggggcg	aattgtttcc	tcgatcaaat	gagtgaanaac	60
ctgagtgatc	ctgtgtctcc	cgtggtgoga	gtgagtcgct	gccgctgaag	gctaaggggt	120
gggggtggga	cttgccggggg	tggaaaggcta	ggtggtctcc	gggctccgcc	tgggatttgg	180
gagaagaacc	gcctctcttt	gcctcggcaa	tgttcacaag	aagataaatc	gcactcccca	240
ccattttgaa	cgggggcaga	tccacaggga	agtctccctt	ggggaatgta	ggactagtgt	300
caggctgggg	gtgttgggaa	cccgggcatt	aatcagggtct	aaccacagag	ccggaataat	360
taataccgta	ttatataccc	cttttccttc	tgcctgcatg	attctccttg	gcagcagcgt	420
tagcagccgc	ctgaggggtga	aaatgtgggt	gatggggaag	ttggtaatga	ctccgctggt	480
ttttctcatg	gctccttttg	gccacagctg	cccggccccg	gtatacactg	tagttgattg	540
cagggaacc	ctgtacctct	ccctttcctt	ctctaccgat	tttgcacttt	tctctatgct	600
caccaccaag	tgtaatcaat	aacaagcact	gacaatacat	agcaatagtg	aaatctgaaa	660
taactaagaa	ttaggtacta	cagccatgga	gctggctggg	taaaatctaa	ttggatatatt	720
cagtttcatt	cacctaccct	gttttggtgt	ttgggttttg	ttttgggttt	ggtgagtttt	780
tttttttttt	ttttttggaa	agcaaggatc	acacttcccc	ctccctgttc	cttaatccct	840
tttctaaaaa	gggggggaaa	tccggatgga	ttttagggat	tgggtctggtg	tcagctgtgt	900
tttattgcac	acctaaatcc	tgattatagg	cttttcattt	ctccgcaaaag	cctttatttt	960
ggcagtttaag	ccaaatgtgt	tttccagaaa	gttagttatt	ttctcctctt	tctttccttt	1020
ctttcctccc	tttttcccg	ctgaccccaa	acgttattgt	ccaaacatga	ctggacagca	1080
gcttttgttt	cttgacctg	taatatgaca	gtctgtcata	attgacagaa	ggtgcagttt	1140
ttgggttata	gtcgtgattt	tcgctaata	atcatattag	caggaaaaaa	aatgacttgt	1200
ttctgttgta	cttgagtctt	aagaaaaagt	gcccatagtt	tagtgacaat	ttccaaaggc	1260
tttagtacca	cctgtatttc	aaaaatgggg	acccaaactc	ccggaagaaa	caagctctga	1320
acagactacg	tgctcagctt	agaaagaaaa	aagaatctct	agctgaccag	tttgacttca	1380
agatgtatat	tgcctttgta	ttcaaggaga	aggtaattta	aagttcttaa	tgggtgaatta	1440



FOIA b 7 - DATED 05/05/2015

aggctcaggag	ttcgcagacca	gcctgggctga	cgtgggtgaaa	ccccgtctct	attaaaaata	5160
caaaaaatat	tagcgggggca	tgggtggcaca	cacttgtaaat	cccagccatt	cgaggaggcta	5220
agtcacgaga	atcgcttgaa	cctggtagac	ggaatttgca	gtaagcgaag	attgcaccat	5280
tgcactccag	tgtggggccac	aaaagttagg	actctgtctc	caaaaaataa	aaattacatc	5340
atgagctatt	cagattataa	actattatgt	ttacttccta	agatataaaa	tgatatatgg	5400
tagatctttt	gtacttataa	aatgttttta	taggggaacc	ctataatttg	tgacatggct	5460
tgatgtagct	gtttctttta	aagtaaactt	tttttttttt	aatcatttta	taggatgtaa	5520
ttggctgtac	tcaggagatg	gatttcattc	tttggcctcg	gaatgatatt	gaaaaaatcg	5580
tctgtctcct	gttttctagg	tggaaagaat	ctgatgagcc	ttttaggcct	gttcagggtat	5640
tttgggtctaa	agtgtgatga	gtatttcaat	atgtgaaaac	tactagaata	taatagggtc	5700
taacttgaga	aattcttttg	gaaaatgggt	tctgatagtt	ttatttcacg	agtctcccct	5760
atttagaata	ttgtgatgca	agagaagaaa	cggtttggat	tatagaatct	cttgacagtg	5820
tgggtggttcc	acctgcccag	tgtggctttg	aaattatgac	tagagaaaat	cttttaaagt	5880
ggacatattac	tgatttatag	agggggccac	agatgagctt	ctgagatctg	taactcttga	5940
agccttcacc	acacatcctt	ctaaaaccgt	atatttaact	gctgcttccc	aaaggaatgt	6000
gatctgaaat	gggtgaagaa	atcattttgt	agaagttgat	ctgtatataa	aattatagaa	6060
gaaagaagta	aatttagtag	tcattcttaa	ccttaaaatc	ttgctgactt	ttgactgttt	6120
gtcatgggtat	actagacatt	gctcaagtga	atccccctc	tagtggttaag	ggcatttact	6180
catgttgaa	ctagttttat	ttacagtata	tttgtatgca	tagaagatgg	aggtccacca	6240
aagtgttaat	tatgcttagt	tgttaggtcag	gtatagctaa	ctttcctttt	ttaatatata	6300
tattttacatt	tgtgtttcct	ttataattta	tggcatagat	tgccacgatt	ttcttaagta	6360
tacttttata	atcagaaaaa	tgatattaag	gactcatttt	aagtacacta	aatcaaatat	6420
tagaaggctt	ctttatttta	agctaattgt	gaggattatt	tgtcatttaa	aacttttgct	6480
tctacttatt	accctgaagt	atctttgtgg	tgcttatgtt	tttcacagac	tgtataaatt	6540
gatatactct	cccgccccat	ggtaatgttg	ctacacataa	gctctaataa	ttatcatttt	6600
taatgtttta	agattaatct	aactaagttt	taaaaataat	ccattgggta	catacataag	6660
aaagtactgt	atacagattc	ccctgactta	taatggttcg	acttaagatt	ttttcaactt	6720
taccatgatg	tgaaagccat	atgaattcat	tgtgtctctc	gatttatgat	gggactacat	6780
ccaggtgaag	tcattgttaa	ttggaattgt	tgtgaattca	aaagtcactt	tttgatttaa	6840
aatacgtgta	acttacactg	gggttatcag	gtgttaacat	cacaagtcgt	ggagcatctg	6900
tatttcggtc	atttaatgga	tgatatctga	ctgaagggag	aaaatgaata	taaaaggcat	6960
gaaaacagga	atagaaaagg	catgttttaa	gttctcagcg	cagggctgat	aactctagct	7020
gctctctgga	gggtggtgta	ggattttgtt	gttttttagt	taaggatttc	ccactggaaa	7080
aatgtaggtc	tgcttattac	agtatgtttt	caaatttcta	ataccctgcc	tttcccactg	7140
ggaccttatt	tgaaatagtt	gagttaactt	tagtcttggt	tcaaatagta	ctctttgaag	7200
tcatggctga	tgttttattga	gagttgactg	tactagtttc	agcttttttt	tttttttttt	7260
tttgagacag	agtctcactc	tgttgccaga	ttggagtgc	gtagtgtgat	cttggctcac	7320
tgcaacctcc	tcctccttgc	aacctctgac	tccgcctccc	tgggtcaaat	gattctcctg	7380
ccttagcctc	ccgagtagct	gggtctacag	ggacatgcca	ccacgccag	ctaatttttg	7440
tatttttagt	agagacgggt	tttcaccatg	ttggccggga	tggctctgat	ctcttgacct	7500
cgtgattcac	ccgcctcggc	ctcccaaagt	gctgggatta	caggtatgag	ccaccatgcc	7560
cgtccttttt	ttgagacagg	gtcttgctct	gtcgcccaag	ctggagtgtg	gtggcgtgat	7620
cttggctcac	tgcaacctct	gcctcccagg	tttgagccgt	tcttgtgcct	cagcctcttg	7680
agtagctggg	attataggcg	catgctatga	caccagctta	atttttgtat	tttttttgta	7740
gagacggagt	tttgctatgt	tggccagggt	ggtgtccttg	acctcaagtg	atctgcctgg	7800
cttggcctcc	caaagtgggtg	ggattacggg	tatgagccac	cacacttggc	cttagacttt	7860
ctcttacttt	atatataatt	aatctcagtc	cttaaaataa	ctgggtagat	aggaagaaac	7920
tgagacagaa	attaggtaaa	taaggcccaa	ggcagttaaa	taggataaaa	gcctggactg	7980
actgtgcttt	taactcacta	ccctgtactg	tgaaaattta	cctatattaa	ttatagaatc	8040
ttaaaattct	ggactgagtg	taagcagtat	gatgtaggta	atgacttttag	aattcaactg	8100
cagtaagtag	gttaaatattg	taagaactaa	tttgcttttc	tgaagtaatt	taaaatgtgt	8160
gaatatccta	tatgaggggc	cttaaatata	actcactcag	ttctttctca	aagaaaatga	8220
gaaaaggaat	ggtaaatgtt	aacttgcagg	cctctttttt	ttgttttttg	ttttttgact	8280
cttaaaagcac	tttacttatt	tttaaaattt	aattaatttt	ttgtagagat	ggggtctcac	8340
tttgttgccc	aggctggtct	tgaactccta	gggtcaagtg	atcctcttgc	ctcagcctcc	8400
caaagtgtctg	agattacagg	tgtgagtcac	cgtgcctggc	cttttgaagc	actgtaaaac	8460
ctgaatatat	gggtagttag	gatataatcg	gaaccagaat	aaggattgtt	tttaaatact	8520
gagttcttca	gtgtactgtg	aagtgtctgg	aggtagtact	aaaatgtatc	tcttcttttc	8580
tcttcattat	taatgtactt	gccaagggtta	gctcctcccc	tgactgttag	aatatttctg	8640
tacttctgtg	ggaattactt	ctttcatgct	gcttatgaga	agttgtgtgt	gtgtgtttgt	8700
gtgtgtgtgt	gtgtaccatt	tcttttcaga	taagtggata	ttcaatatga	tagaattgaa	8760

FILED 09-05-2009

atgctaaaga	actataagga	aggccttttt	cagtctcact	caaacctttt	ttcagtgtgg	8820
ttaccgggttc	ttgcaaccac	cctgggttgct	taccatattg	cagctttgtt	acttgaatag	8880
tatttcagtt	tttaacacat	ttgtttttgt	gttgggttctg	tttcctagta	tggtgttttt	8940
ttttgttttg	ttttgagatg	gtgagatggg	gtattactct	gtcatccagg	ctggagtgc	9000
gtggcatagt	catggctcac	tgcagccttg	aactcccagg	cccaagtgat	cctcccacct	9060
caacctcatg	agtagctggg	accacaggtg	tgcaccccat	gcccactaa	ttatttttgt	9120
agagatagga	tctcactgtg	ttgcccgggc	tggctcctaa	ctcctggcct	ctagtgatcc	9180
tcccgccttg	gactcccaaa	gtgctgggat	tataggtctg	agccaccatg	cccagtcagc	9240
gtttatcaga	ttacttacca	ttactacttt	gtcctgggga	aatcctctta	atcctttaag	9300
gcgcaatcca	aaatcataat	gttcccgtgt	tacttactgt	tacttttttt	tttttctcct	9360
atagtgggtt	gatgataaga	acccaatttg	ggcggggcgc	ggttgctcac	gcctgtaatc	9420
ccaacacttt	gggaggctaa	gccagatgga	tcacctgagg	tcgggagttt	gagaccatcc	9480
tgaccaacat	aaagaagtcc	tatctctact	aaaaacacaa	aattagctgg	gcgtgggtgt	9540
gcatgcctgt	attccagcta	cttgggaggc	tgaggcagaa	gaatcgcttg	aaccaggag	9600
gcggagggtt	cagtgaagcg	agatcgcgcc	attgcactcc	agcctgggca	acaagagcga	9660
aattccgtct	caaaaaaaaa	aaaaaaaaattg	gagttttaca	gataaccaca	tcttattctg	9720
ggaaaggatt	tgaagcaagt	tgggtttttat	atttggtctg	acttgtcctc	ttcagcagta	9780
taataagccc	cttaaggctg	aagtaacctt	attcctattg	tttagtagct	aatagcatgc	9840
ttttgatatg	cttatgatca	tactaataat	ttaatatttg	aattgtatgg	aagtacaatt	9900
cagtatcatt	ttacatatgg	tatatgttga	tgctgtatca	tattttatgt	tacggtttat	9960
aagaaaagct	cctagggtata	aaatgctaca	tagcaggaac	ttgggtttttc	aatgttatta	10020
tttctactcg	tttttgacgt	aacggcaata	aaatttgttt	gaaccaaatt	ggactaacia	10080
ttatttgtac	aactcagtat	tgtctaaata	tcataattgtt	aaatctaggt	ttcttgaatt	10140
ctccatcaag	cctgggtcatg	tcatgtagca	tttgggtgtct	caccatgccc	aacagatatt	10200
ttgtgggagg	atggagttga	tcttctctcat	gttaaaagat	tgaagggagt	gttctgactt	10260
aattgataac	agtctttcat	aacttcacaa	atttttgaga	atgaccaag	gctaactgtg	10320
ggaaaaattc	acataaaaac	atagcctatc	tatgaggagc	aaaactatat	ttcagttgtg	10380
ggctttacat	ttcattttaac	cctcttaact	gtcctgtgaa	atgggttaca	gccttatttt	10440
atagatgagg	aagctgaagt	ttaagggatt	tgcatcacgg	cacgtaacta	gtgagttgtg	10500
cagctagggt	tagaataaac	agattttattt	tttttttttc	ttagaaacag	caattaacia	10560
tgtgactcct	aatcaaaaaga	aaagagatgt	ccttggggct	ttaaagtacta	tggtgggagt	10620
cttggactga	gtaggtttga	aaatacaatt	ttatgatcgt	ggagtactag	gatttagtca	10680
ttttgatgca	gagcatttcc	tgatcaactg	ctgttgtgga	gtgtactgtc	caatagaatt	10740
ctctacaatt	aaggaaatgt	tctgtatctc	aagagattgt	tcttaatggg	ggccagtagt	10800
catgtgaccg	ttgagcattt	gaaatgtggc	tagtgctact	gaagaatgga	attgtaaatt	10860
gcttttaatc	taaaattttgc	ctgtgatatt	attggctgtg	ggtttgccaa	aatttgtttt	10920
tttaaagagg	aaaagataac	ggactgttgg	ctgctttatt	ggacagcaca	gctagcatat	10980
agatgcagat	aggtagtata	acttgtttgt	agtttaatat	aaatgttgta	ttttgtaatt	11040
aggccaaatt	tgagtttcat	catggtgact	atgaaaaaca	gtttctgcat	gtactgagcc	11100
gcaaggacaa	gactggaatc	gttgtcaaca	atcctaacca	gtcagtgttt	ctcttcattg	11160
acagacagca	cttgcaggta	agcagctttt	ttgaaaacca	cttacaggct	cattcaaaaa	11220
cttattgggt	agtaaacgtt	ttatatacaa	gttacttaat	tgttggtgtcc	cccaaact	11280
gcattatttt	tgaagttatt	taaaaagcaa	aaaataggct	gggcatgggtg	gctcatgcct	11340
gtaatcccg	cactttggaa	agccgaggcg	ggcatattgc	ttgagctcag	gaattccaga	11400
ccagcctggg	caacatgacg	aaaccccatc	tctacagaaa	atataaaaaac	tagccaggca	11460
tggtggcgtg	tgctgtagt	cccagctact	ggggaggctg	aagggggagg	attgcttgag	11520
cttaagaggc	tacagtgaga	tcttgtcact	gcactccagc	ttgaatgaca	gaacgagacc	11580
ctgtctcaaa	aaataaaatg	aattttttaaa	aaagtatttc	ccaggcctca	ctgtagaaca	11640
atggttccca	aattttgtctg	catgttacag	caacctggca	agcctttttt	tttttttttaa	11700
acgggaaaaa	acccacctcc	ttcgaagctt	ttaaaagtca	tgattctagt	gaacagtagt	11760
gagaactatt	gccctaaagc	gtgtctacca	gatgtgtggg	caatggatga	acatcacttg	11820
agaacttggt	aaaaatatag	actctcaggc	tctactaatc	agagtctgca	ctttaaacag	11880
aaccctcagg	tgatttgaaa	cacactttgt	ttccagaagc	actgacctgg	acgttttttt	11940
ttttcttgag	agggagtctc	tgtcgcccag	gctggagtgc	cgtggcgcaa	tctcagttcg	12000
ctgcaagctc	caccttcctg	gttcacgcca	ttctcctgcc	tcagcctccc	gagtagctgg	12060
gactacaggt	gcccgcacc	acgccagct	aatttttttt	tttttttgta	ttttagtaga	12120
gacagggttt	caccatgtta	gccaggatgg	tctcaatctc	ctgacctcat	gatctgcctg	12180
ccttggccta	ccaaagtgtc	gggattacag	gcgtgagcca	ccgcaaccgg	ctgacttttt	12240
aaatctaaaa	ggatgaggga	catatattta	aaagatccac	atttatttca	aataagcact	12300
tccatttggg	cacagtgtct	cacacttgta	atcctagcat	tttggaagc	cgatggggga	12360
ggattgcttg	agtccaagac	cagcctgggc	aacagagtga	gacgacatct	ctacaaaaaa	12420





"00560" 00560

tccggggaat	ttggagattg	acattttgtc	agtaatactc	taaaatttcc	cctttttgtg	19800
tttttgaacc	tcgcttgttt	ttaacctaa	tcacagtcta	acaggcatcc	tcagtctgta	19860
taatatagga	cttgatgtgc	aggggtggag	taaatttggg	accatgtcaa	gtaaatcaaa	19920
gagtgaatca	tgaagtgtta	actgactgaa	acattattca	tttacttttg	aaatatctct	19980
aacttttgaa	agaccatgtc	ctagtttttg	ttgaagttaa	tcagtttttg	aagcgtaggc	20040
agctcttgat	ggccaatgct	tttggcaaca	catatttgaa	aggccaaaac	tatgtttgac	20100
ttactgaaaa	ttccttaggg	ttctaaaggc	aaaagtacct	tagtagatca	tgaaatgcag	20160
tgctaggttt	gaagatctct	ctgctcttaa	tagagacttt	tagggaaaat	caagtcatct	20220
actgatctca	cctctttacca	catgaaataa	ggactgctga	atatgcacac	cagtaacata	20280
agcagagcct	ttctttttctg	tacatcttaa	tttcaaaaag	agcatttggc	tgcatcttgt	20340
aatttgccta	ttgtaccctc	aattttaagt	attcccata	agagggactg	aatgtttctt	20400
aagtaaacct	gataaaatat	ttagattcct	taaaagccta	cattggctgg	gcgcggtggc	20460
tcacgcctgt	aatcccagca	ccttgggagg	ccaaggcggg	cagatcacaa	ggtgaggaga	20520
tcgagaccag	cctgggtaac	acgggtgaaac	cccactctca	ctaaaaatac	aaacaaatta	20580
gtcgggcatg	gtggcaggcg	cctgtagtcc	cagctactcg	ggaggctgag	gcaggagaat	20640
ggtgtgaacc	cgggaggcgg	agcttgcagt	gagccgagac	tgaccactg	cactccagcc	20700
tggggccaca	agcgagactc	cgtctcaaaa	aaaaaaaaaa	aaaaagccta	cattatttcc	20760
attaccctca	tatctactca	caatggctct	ctcaacctga	cctctcagtt	agttacattt	20820
ttgttgccta	ggtggaaaaa	gcagttgtct	tgaaactaaa	tcctgtgccc	cagctctttc	20880
tttattgaat	ggggctgcag	tagtaccagt	ttatgttgga	attgagtttc	ttacattttg	20940
gaagtttgac	cctgaggggc	actgttccct	gatcatgtag	tttaactcac	agaacatgtc	21000
tgtgtagtca	caggagagaga	tccaggattg	ctgcccattc	ttaaaactca	acactttggg	21060
aggctgaggt	gggtggacac	tggagggtcag	gagttcaaga	ccagcctggc	caacatgggt	21120
aaaccccgct	tttactaaaa	acacaaaaat	tagcccagca	tggtggcgca	cacctgtaat	21180
cccagctact	agggaggctg	aggcaggaga	attacttgag	ccccagaggc	ggaggctgaa	21240
gtgagccaga	ttgtgccgct	gcactccagc	ctgggtgatg	gggagactcc	gtgtccaaaa	21300
aaaaaaaaaa	accccagcaa	tggtgttcag	tttgttagag	taagattata	atgtgtatat	21360
gaactctaac	tttactttga	attgtatgta	ctcaatacaa	tcctcatagt	gttataagtg	21420
gtatttttaa	aattaaataa	tatttatttt	ttgtagagat	gggggtcttg	aactccaggc	21480
ttcaagcaat	cctcttgctc	cggccctcca	aagtgcctgg	attataggcg	tgagccactg	21540
cgtctggccc	tgaatggcac	ttttaaggac	tgtatgaaac	agttatgagc	catcagtttg	21600
tgattttttc	ccctgcatca	gtatacacat	taaaagctga	atgttgctct	tttgaatgtt	21660
tgggatcatt	ccctttttac	tattgataca	cactgtactt	gcaaattaac	tgctctagtt	21720
ctagatttta	aggctggaat	attttaggac	aaaatctata	ggtgcagtta	aggagataag	21780
cagctaattg	aatctcatgc	gttactaata	atataaatgt	gttttagtct	agttgtttag	21840
acagttatca	cacagaaggg	atttggaaata	cagtttggat	acatacgtta	tgttcatatc	21900
gacactgact	ccgggtgctc	ccctttccgt	gcatagcaga	gccattgttg	atatgttatc	21960
tactaacgtg	gctgtcaaac	cgccgtggag	agtgccctatt	gcattgggat	gctcttcttc	22020
tactttcatt	tcacaaatca	ctttcccagg	agcagcagag	acaagagtaa	tct	22073

&lt;210&gt; 2074

&lt;211&gt; 1346

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2074

ggaaggcctt	tttcagtcct	actcaaacct	tttttcagtg	tggttacccg	ttcttgcacc	60
caccctgggt	gcttaccata	ttgcagcttt	gttacttgaa	tagtatttca	gtttttaaca	120
catttgtttt	tgtgttgggt	ctgtttccta	gtatggctgt	tttttttgtt	ttgttttgag	180
atgggtgagat	ggggatttac	tctgtcatcc	aggctggagt	gcagtggcat	agtcattggct	240
cactgcagcc	ttgaactccc	aggcccaagt	gatcctccca	cctcaacctc	atgagtagct	300
gggaccacag	gtgtgcaccc	catgcccaac	taattatttt	tgtagagata	ggatctcact	360
gtgttgcccc	ggctgggtct	aaactcctgg	cctctagtga	tcctcccgtc	ttggactccc	420
aaagtgtctg	gattataggt	ctgagccacc	atgccagtc	agcgtttatc	agattactta	480
ccattactac	tttgtcctgg	ggaaatcctc	ttaatcttta	aaggcgcaat	ccaaaatcat	540
aatgttcccc	tgttacttac	tgttactttt	ttttttttct	cctatagtgg	tttgatgata	600
agaacccaat	ttgggcccgg	cgcggttgct	cacgcctgta	atcccaacac	tttgggaggc	660
taagccagat	ggatcacctg	aggtcgggag	tttgagacca	tcctgaccaa	cataaagaag	720
tcctatctct	actaaaaaca	caaaattagc	tgggcgtggg	ggtgcattgc	tgtattccag	780
ctacttggga	ggctgaggca	gaagaatcgc	ttgaaccag	gaggcgagg	ttgcagttag	840

ccgagatcgc	gccattgcac	tccagcctgg	gcaacaagag	cgaaattccg	tctcaaaaaa	900
aaaaaaaaaa	ttggagtttt	acagataacc	acatcttatt	ctgggaaagg	atltgaagca	960
agttgggttt	tatatattggc	tgtacttgtc	ctcttcagca	gtataataag	ccccctaagg	1020
ctgaagtaac	cttattccta	ttgttttagta	gctaataagca	tgtttttgat	atgcttatga	1080
tcataactaat	aattttaatat	ttgaattgta	tggaagtaca	attcagtatc	atltttacata	1140
tggtatatattg	tgatgctgta	tcataatttta	tgttacggtt	tataagaaaa	gctcctaggt	1200
ataaaatgct	acatagcagg	aacttggttt	ttcaatgtta	ttatttccta	ctgtttttga	1260
cgtaacggca	ataaaatttg	tttgaaccaa	aatggactaa	caattatttg	tacaactcag	1320
tattgtctaa	atatcatatt	gttaaa				1346

&lt;210&gt; 2075

&lt;211&gt; 2177

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2075

caaaagctga	cgacttcggt	ctgcgccgga	agtgcattag	ctgccgatgt	ggtgcttagt	60
gattgcgggt	tcggtcgctc	tcccgtgttt	cccgggctgg	gtatttgcct	cgcacatggt	120
cggtaaggag	gatggatagg	gccccgtccg	caccagcaaa	gctctccagg	ggctgtgaga	180
gtgaaaactg	agaaagaaca	ttaaggata	tgggggtggc	cagagcgggg	cgccatccct	240
ggccagaccg	tgctagagct	gggctggggg	gatggcgggc	caggaccata	ccaggactag	300
tgccagagcg	gggtgggcat	cagtaccagg	gcaggccaga	gatctaagt	acctgaggtg	360
gggggttaacc	cagatcgga	ctacgccagc	ggaggcctga	gagaggcacc	attcaactcc	420
gctcaggagt	acccttggaa	gagtcgttag	cctaaagcca	gactaccacg	ggatccagag	480
gcggtattag	cttaggattg	aattgttcca	ggcgagcaa	gaggcgattg	atcctagctg	540
cgggtgctgg	agagatggcg	tcagccctag	gcagaatgga	ctggaggatg	ggtggacatc	600
ccagggatgt	tgctaggttt	ctgcactacg	gggacctggc	tgagttgcgg	atggagctct	660
atagctcacc	aggtcgttgg	ggagaatgag	gaggaccgtg	gcctcctgac	ggcatctcat	720
cattcctctg	cagcccaagg	gcaaagtggg	cacgagaggg	aagaagcaga	tatttgaaga	780
gaacagagag	actctgaagt	tctacctgcg	gatcatactg	ggggccaatg	taagtgccta	840
cctccttgct	tctatgccca	cttatagtc	gttccctagt	cctcagccct	gcttggtgac	900
gaggagtgg	acccgaaaaa	gctctagaag	agagctccag	tcaaaaagaa	atgagagatc	960
tgggcacaga	gaaagtgcta	actagtaaaa	cacaaagaaa	atgaaggcgt	gagtcgtagc	1020
tgaatttgag	agctcttctc	acctccaagt	acacaaaggc	ttcttttctg	ggctgagttg	1080
ggtgtcagag	gagagtgggt	atltgggatt	cagggagcag	ggccctttct	tcaaccctgt	1140
aagaacaacc	ttgctcctcc	cacagcctgg	cctaattctt	ggtcagagtt	gagggagacc	1200
catggtttgg	aggtaaactt	tgaccccaac	ctgatcctgt	gattgcttgc	aggccattta	1260
ctgccttggt	acgttgggtc	tcttttactc	atctgcctca	ttttgggcct	gggtaagtat	1320
ctccatcctg	ggaggtggat	gagtgcgtag	ggtcagtggt	tggcctttga	taccctcatt	1380
cttgctctgc	agttggccct	gggctttagt	ctggcagtg	atggggccag	ctaccactct	1440
atgagctcga	tggcacgagc	agcgttctct	gaggatgggg	ccctgatgga	tggtggcatg	1500
gacctcaaca	tggagcaggg	catggcagag	tgagtgtccc	ccaccgccag	cccagggtgag	1560
cggccccagg	gctggggccc	agatagccca	agaagcacag	ctacttgtaa	cttgaaaagg	1620
gtggaaggga	gttgcaactt	gaaaagggtg	gaaggggcca	tatgctgtct	ttccagcttt	1680
atltctatcc	acaggcacct	taaggatgtg	atcctactga	cagccatcgt	gcaggtgctc	1740
agctgcttct	ctctctatgt	ctggtccttc	tggctcttgg	tatgtgggct	gggggcgctc	1800
ccaagaaggg	gcatactaacc	ctccccatct	tttattccct	gcatacttgc	tcaagttacc	1860
gtttctcttg	taggctccag	gccccggcct	ttacctctg	tgggtgaatg	tgctgggccc	1920
ctggttctact	gcagacagtg	gcaccccgag	accagagcac	aatgagaaac	ggcagcgccg	1980
acaggagcgg	cggcagatga	agcgggtata	gccattgaca	ttgtggccac	aggccactgg	2040
ccctgggtgg	ctctgtcagg	gtgcacagcc	cctcatgcct	ggagcaatga	gggtctagtc	2100
caggggcca	aagcagtcct	aggtattggg	tatacttata	ctctataggg	tcgttgaata	2160
aatggcttag	aatgtgg					2177

&lt;210&gt; 2076

&lt;211&gt; 2177

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

09500550  
"092160"

T02T60"28005660

&lt;400&gt; 2076

caaaagctga	cgacttcggt	ctgcgccgga	agtgcagtag	ctgccgatgt	ggtgcttagt	60
gattgcgggt	tcggtcgctc	tcccgtgttt	ccgggctggt	gtatttgcct	cgcaccatgg	120
cggtaaggag	gatggatagg	gcgggggtccg	caccagcaaa	gctctccagg	ggctgtgaga	180
gtgaaaactg	agaaagaaca	ttaagggata	tgggggtgggc	cagagcgggg	cgccatccct	240
ggccagaccg	tgctagagct	gggctggggg	gatggcggcg	caggaccata	ccaggactag	300
tgccagagcg	gggtgggcat	cagtaccagg	gcaggccaga	gatctaagtg	acctgagggtg	360
gggggttaacc	cagatcggga	ctacgccagc	ggaggcctga	gagaggcacc	attcaactcc	420
gctcaggagt	acccttgga	gagtcgttag	cctaaagcca	gactaccacg	ggatccagag	480
gcgggtattag	cttaggattg	aattgttcca	gggcgagcaa	gaggcgattg	atcctagctg	540
cgggtgctgg	agagatggcg	tcagccctag	gcagaatgga	ctggaggatg	ggtggacatc	600
ccagggattt	tgctagggtt	ctgcactacg	gggacctggc	tgagttgcgg	atggagctct	660
atagctcacc	aggctgggtg	ggagaatgag	gaggaccgtg	gcctcctgac	ggcatctcat	720
cattcctctg	cagcccaagg	gcaaagtggg	cacgagaggg	aagaagcaga	tatttgaaga	780
gaacagagag	actctgaagt	tctacctgcg	gatcatactg	ggggccaatg	taagtgccta	840
cctccttgct	tctatgcccc	cttatagtca	gttccctagt	cctcagccct	gcttggtgac	900
gaggagtgg	acccgaaaaa	gctctagaag	agagctccag	tcaaaaagaa	atgagagatc	960
tgggcacaga	gaaagtgcta	actagtaaaa	cacaaagaaa	atgaaggcgt	gagtcgtagc	1020
tgaattttgag	agctcttcc	acctccaagt	acacaaaggc	ttctttcctg	ggctgagttg	1080
ggtgtcagag	gagagtgggt	atttgggatt	cagggagcag	ggccctttct	tcaaccctgt	1140
aagaacaacc	ttgctcctcc	cacagcctgg	cctaattctt	ggtcagagtt	gagggagacc	1200
catgggtttg	aggtaacctc	tgaccccaac	ctgactctgt	gattgcttgc	aggccattta	1260
ctgcctttgt	acgttgggtc	tcttttactc	atctgcctca	ttttgggcct	gggtaagtat	1320
ctccatcctg	ggaggtggat	gagtgcgtag	ggtcagtggt	tggcctttga	taccctcatt	1380
cttgctctgc	agttggccct	gggcttttag	ctggcagtg	atggggccag	ctaccactct	1440
atgagctcga	tggcacgagc	agcgttctct	gaggatgggg	ccctgatgga	tgggtggcatg	1500
gacctcaaca	tggagcaggg	catggcagag	tgagtgtccc	ccaccgccag	cccaggtgag	1560
cggccccagg	gctggggccc	agatagccca	agaagcacag	ctacttgtaa	cttgaaaagg	1620
gtggaaggga	gttgcaactt	gaaaagggtg	gaagggccca	tatgctgtct	ttccagcttt	1680
atttctatcc	acaggcacct	taaggatgtg	atcctactga	cagccatcgt	gcagggtgctc	1740
agctgctctc	ctctctatgt	ctggctcttc	tggcttctgg	tatgtgggct	gggggcgctc	1800
ccaagaagg	gcatctaacc	ctccccatct	tttattccct	gcatcttgct	tcaagttacc	1860
gtttctcttg	taggtccag	gccgggccc	ttacctcctg	tgggtgaatg	tgctggggcc	1920
ctggttcact	gcagacagt	gcaccccagc	accagagcac	aatgagaaac	ggcagcgccg	1980
acaggagcgg	cggcagatga	agcgggtata	gccattgaca	ttgtggccac	aggccactgg	2040
ccctgggtgg	ctctgtcagg	gtgcacagcc	cctcatgcct	ggagcaatga	gggtctagtc	2100
cagggggcaa	aagcagtctg	aggtattggg	tatacttata	ctctatagg	tcgttgaata	2160
aatggccttag	aatgtgg					2177

&lt;210&gt; 2077

&lt;211&gt; 8925

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2077

gttggattag	ctaagaaaat	tttatttttc	tccgtgcgtt	caaggagctc	acacacatgc	60
acatgcata	gcatgcacac	acacacatac	acacacactc	acatgcatac	acacacggct	120
aatactgctc	aaggcatggc	tcctgggcac	agagttctgg	ggccagaatt	ctgctctggg	180
ccctcctcac	tctgtcatct	cctgcactgc	agtccagggt	ccagatagat	ttccgggata	240
cagcaccttc	acacctccag	gccaggaccc	ttgcttagtc	ccagtgcctg	caccagggtca	300
tctccgagcc	cactcttcaa	cgtccttctc	actgcaggga	cagagcaggg	ttggaggggg	360
ttgatggggt	tcagggtggc	agtgggattg	tgggggggta	cttacaagac	ttgcgggttc	420
cgcggaacg	cttgcggttc	ctagcagcta	aggcacgagg	actgctcttg	gtcactgact	480
gcaccagaag	gtccatgatc	tcatctgatg	tatcactggg	taaactggag	cctggggggt	540
cttctgggga	tgcagtggag	ggccccactg	tgggcagatg	tggggagctg	ctctggacca	600
tgccctgagga	aggccagata	gcaaagtcag	gccaaagtgg	cactggagcc	cattccccac	660
agctgctatg	ggcctcacct	ctgctgcggc	gattgtgtgt	ggtgtcctca	ggcctgctgg	720
tcagcagact	cttcatacta	gcatgactgt	cagcatctcc	ccggcctggc	ccgctgctca	780
ctgctactgg	gacagagggg	ttgctggggg	cttccccagc	cacacctgag	aacttctctg	840
tctggagaaa	gaagaagggt	gagctgggag	gagcgaagga	aaccaaggag	gtggcagtc	900

095005560  
 09160  
 09160

agactaagac	ctggaagggc	accacacctcg	gtgatcatgc	gtccccgggt	cttgttgccg	960
tcacgggatg	tggcctgctt	ctgctgctgc	tgtagcactc	gttcccggca	agtccgatac	1020
tcaagcgcaa	attcccgcag	cgtgtggcag	aactgcatga	tgcgcacttc	acggggccgc	1080
tgcgggggtg	agcccaggta	gagcaggaag	gcatggaacc	taggcaggtc	agagtaggga	1140
gggacagtaa	gtcctgctta	ttgtctgagg	gaggggtggtg	gccgtcctgc	ctctcttggg	1200
tccatgcccc	tacctattgc	agacacggcg	gtgcactatc	cttagcatgg	caacacggcg	1260
ggcacactgg	tccaggaagt	gggtgaggcg	ggcacgcagg	gctggggcca	gctcatgctt	1320
ggccaagctc	cgcaggctct	cctcggctgc	ccggctccgg	cgctccagct	gccccagggt	1380
ctcagtcagc	tgttcaaagt	ccacctgaga	aagcaagggg	gtgcacatac	tgtcccccca	1440
caccctgtag	acaagacatg	gccccagggt	gcttctgggc	cagagtggcc	agcttggggc	1500
ctaaggacac	agacatccaa	atctcataga	ctagtgcgaag	agacacaagt	ccatctgatg	1560
tgaatgggga	gcagaaggtt	tactggggga	agtggcagtt	aaacagaccc	aaagactgag	1620
taggtgtggc	cagggccaata	gaggaaagag	catttctggc	agagggcata	gctcacaccc	1680
aggtggctgg	agcaagccct	ggcacagcag	cccaaattggg	gagaaggggg	aggagccagg	1740
cccaggaagc	agcgctcctc	atgccttgct	cggccttggg	tgattctggc	aggtgctaac	1800
cttggcacag	cggttcaggg	cagggatttc	tgaatagagg	tcagaggact	caggccgggt	1860
ctggagcact	agggagcaga	gatgggtgtag	cagtgcactgt	cgacgcaccg	tgtccttcac	1920
ctctgacacc	ttctccagggt	agctcagctc	aaagccgctg	ctctgaaagg	accctttctg	1980
agcctggggc	tggttggctc	cagaaccctg	actcccccta	gtccccatgt	actctcactc	2040
acctgggagc	cattgaggaa	gttggcccacc	gctaggaggg	tagccaggat	gcagcggaag	2100
gtggcattct	gtaccagctg	ttccataccc	actttcagggt	caaacagtgg	ctcagcaatt	2160
tctgtgtatg	ggagaccagg	gactctcaga	ctacatgggtc	atgatgctta	cctgtcccta	2220
ctgactgtcc	cactccaaga	cccagggtacc	cgctccatgc	tgtcatagtc	cagcttgaag	2280
gcccagagtt	gtagacgagc	agcgaggccg	ccaatggagg	caagagtcac	caggaagtcc	2340
tcggctgggc	ccaggggtat	gtcaggggtg	gccagctggg	cttcctcaat	cttctgccgc	2400
tcttctccg	tgggcatcat	ggtcagtagc	ttctgaggat	gtagccagag	cctgacatgg	2460
ccccctcaat	gcaggcctga	ggcctgaggc	attgggtctt	acccctcagt	catctagggg	2520
aggccccagt	gtctggggac	tgccctgcag	aaatgccaa	cccatgccc	ccaccagagg	2580
gacaggaaat	gcccacctac	caaaggagaa	ggccagacct	cccccaaca	cccatagctg	2640
ggtgacctca	cctcaatgcc	atccttgctg	acaggcaact	catcaaagtt	gagcagagca	2700
gccttaatga	catgcacagg	tggcagtggt	gttaggccga	tgttgatggc	gttgctgcgc	2760
ttgggtcca	gcactgtggt	cattgtccgg	cggccctctc	cagctttctg	catggttggg	2820
ggaagggcag	tgtaagactg	aggaaggggg	cctgacgcgg	tggctcacgc	ctgtaatccc	2880
agcactttgg	gaggccaagg	cgggtggacc	acgaggtcag	gagatcgaga	ccatcctggc	2940
taacatggtg	aaaccccatc	tctactaaaa	atacaaaaaa	aattagctgg	gcgtggtggc	3000
gggcacctgt	agtcccagct	actcgggagg	ctgaggcagg	agaatggcgt	gaacccggga	3060
ggcggagctt	gcagtgaact	gagatcacac	cattgcacta	catcctgggt	gactgagcaa	3120
gactctgtct	caaaaaaaaa	aaaaaaaaaa	aaaagactga	ggaagggact	agctgggaca	3180
gcaacctcag	agggcactcc	aaggccctcc	tctagattgc	caaatgatcc	cacaactgac	3240
aaactggcaa	cctggaatgt	gtaagtcacg	gggatgagct	tagattcttt	tgagacaggg	3300
cctggctcta	ccatctaggc	tggagtgcag	tgggtgccatc	atcgccact	gcagcttatc	3360
ttctgggatt	ttcctgcctc	agcctcccaa	gtagctggga	ttacaggcgt	gtaccaccat	3420
acccaactat	tttttttttt	aacatttttt	tttcgcctc	ccaggttcaa	gcaattcttt	3480
tgccctcagc	tcccaagtag	ctggtattgc	aggcatgagc	caccacgccc	agctcatttt	3540
catattttta	gtagagacgg	ggtttcacca	tgttgccag	gctggtctca	aactcctggc	3600
ctcaagtaat	ctgcctgcct	tggcctccca	aagtgttggg	attacagggg	tgagccacca	3660
tgcccggcta	attttttttt	taacatttat	ttatttttat	ttatttagtt	atttttgaga	3720
cgaagtcttg	ctcttgctcc	ccaggctgga	gtgcaatggg	gcatctcga	ctcactgcaa	3780
cctctacctc	ccgggttcaa	gtgattctcc	tgcctcagcc	tcccagtag	ctgggattac	3840
aggtgcccgc	caccacgctt	ggctaatttt	gtgttttttag	tagagacggg	gttttgctaa	3900
tttgaccagg	ctgggtctcga	actcctgacc	tcaaatgac	cacctgcctc	ggcctcccaa	3960
ggtcctggga	ttacaggcat	gagccactac	acccagacca	acttttagta	gagataatgt	4020
ctcactatgt	tgcacaggct	ggtctcaaac	tcttgatta	caggtgtgag	ccaccatgcc	4080
cggccacatt	tagattctag	ttggggcact	gctgatccct	tgttaggaga	ccttggaaca	4140
tttctactc	ctttctttgc	cttggttttc	ccatgtggga	agtgagtgc	tagctccaac	4200
aggtcagatc	cttaagctct	gattccctcc	tgcctccctt	ggggctacct	tgcatatgag	4260
tggatttacc	ttggaggcca	gcacctcttt	ggcacgagac	tcaaagaggt	gttccagtcg	4320
ggcctgtcc	actgagacag	ggtccagtga	agcccagagg	gtggcgagg	gcccacagcg	4380
gcttgacag	actccatggc	ccccagccag	cttcagctca	cgccagaaaa	gttttactgt	4440
cttctcttta	gtggggaggg	ctgagctgtc	aggcactgaa	tggggaagag	gggcagccag	4500
aggtagaggt	ggaggtggtg	ggaagggggc	tttgatgggt	gggggagggtg	gaagtggggg	4560



taggagagag	ggctctgagc	ggtgggggga	gaaagggaca	gtctctgacc	ggtggtgctg	8280
gccacagagt	tcactgcacg	gatgaacagc	ggtgcggtgt	tttcggagta	ttctacaaac	8340
accaacagca	gcttcagggc	tgtcttcacc	accaaagcgg	actgaggaga	gaggtcagta	8400
catatgagtg	gggcttaggc	cagacctgtg	ccagctgttg	ctggggaagg	ggaagggctg	8460
ctggggcttg	accagagag	aatctaggca	gaatgaccct	ggccccaggc	ccaggcactg	8520
aagtgcctta	taggcttaca	gaggcctcag	actcactccc	ttccagctca	ctttgcagaa	8580
caggaaactg	aggcccagag	agaagcaaca	ggcaaagggt	ataaggctga	gtggagagcc	8640
acttaccagg	ctggcacaca	atgtgtacag	ccactgaata	gtgtcactgt	gggccaccac	8700
ccccagcatt	ccatccacaa	agagcatcag	ctggccgagc	gctggggaaa	cagggatggg	8760
cagagtcagc	gagggctcgt	ggagcagagg	tcattgggaga	ggggcggggc	tgacctctaa	8820
ggatgtagct	ctggtagttg	tggtcggcag	cagcaccac	acggatcagg	cagctcagcc	8880
cctctgaatg	cacaaattca	ggcaccagg	ctttgtcctc	ctaga		8925

&lt;210&gt; 2078

&lt;211&gt; 8924

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2078

gttggattag	ctaagaaaat	tttattttgc	tccgtgcgtt	caaggagctc	acacacatgc	60
acatgcatat	gcatgcacac	acacacatac	acacacactc	acatgcatac	acacacggct	120
aatactgctc	aaggcatggc	tcctgggcac	agagtctctg	ggccagaatt	ctgctctggg	180
ccctcctcac	tctgtcatct	cctgcactgc	agtccaggg	ccagatagat	ttccgggata	240
cagcaccttc	acacctccag	gccaggacc	ttgcttagtc	ccagtgcctg	caccagggtca	300
tctccgagcc	cactcttcaa	cgtccttctc	actgcaggga	cagagcagg	ttggaggggg	360
ttgatgggg	tcagggtggg	agtgggattg	tgggggggta	cttacaagac	ttgcggttgc	420
cgcgggaacg	cttgcggttcc	ctagcagcta	aggcacgagg	actgctcttg	gtcactgact	480
gcaccagaag	gtccatgata	tcactctgat	tatcactggg	taaactggag	cctgggggtt	540
cttctgggga	tgcagtggag	ggccccactg	tgggcatgat	tggggagctg	ctctggacca	600
tgcctgagga	aggccagata	gcaaagtcag	gccaagggtg	cactggagcc	cattccccac	660
agctgctatg	ggcctcacct	ctgctgcggc	gattgtgtgt	ggtgtcctca	ggcctgctgg	720
tcagcagact	cttcatacta	gcatgactgt	cagcatctcc	ccggcctggc	ccgctgctca	780
ctgctactgg	gacagagggg	ttgctggggg	cttccccagc	cacacctgag	aacttctctg	840
tctggagaaa	gaagaaggg	gagctgggag	gagcgaagga	aaccaaggag	gtggcagtc	900
agactaagac	ctggaagggc	acccacctcg	gtgatcatgc	gtccccgggt	cttgttgccg	960
tcacggatat	tggcctgctt	ctgctgctgc	tgtagcactc	gttcccggca	agtccgatac	1020
tcaagcgcaa	attcccgcag	cgtgtggcag	aactgcatag	tgcgcacttc	acgggccggc	1080
tgcggggtgt	agcccaggt	gagcaggaag	gcatggaacc	taggcaggct	agagtaggga	1140
gggacagtaa	gtcctgctta	ttgtctgagg	gaggggtggg	gccgtcctgc	ctctcttggg	1200
tccatgcccc	tacctattgc	agacacggcg	gtgcactatc	cttagcatgg	caacacggcg	1260
ggcacactgg	tccaggaagt	gggtgagggc	ggcacgcagg	gctggggcca	gctcatgctt	1320
ggccaagctc	cgcaggctct	cctcggctgc	ccggctccgg	cgtccagct	gccccagggt	1380
ctcagtcagc	tgttcaaagt	ccacctgaga	aagcaagggg	gtgcacatac	tgtcccccca	1440
cacctgttag	acaagacatg	gcccagagg	gcttctgggc	cagagtggcc	agcttggg	1500
ctaaggacac	agacatccaa	atctcataga	ctagtgaag	agacacaagt	ccatctgatg	1560
tgaatgggga	gcagaaggtt	tactggggga	agtggcagtt	aaacagacc	aaagactgag	1620
taggtgtggc	caggccaata	gaggaaagag	catttctggc	agagggcata	gctcacaccc	1680
aggtggctgg	agcaagccct	ggcacagcag	cccaaaggg	gagaaggggg	aggagccagg	1740
cccaggaagc	agcgtcctc	atgccttgtc	cggccttggg	tgattctggc	aggtgctaac	1800
cttggcacag	cgggtcagg	cagggatttc	tgaatagagg	tcagaggact	caggccgggt	1860
ctggagcact	agggagcaga	gatggtgtag	cagtgactgt	cgacgcaccg	tgtccttcac	1920
ctctgacacc	ttctccaggt	agctcagctc	aaagccgctg	ctctgaaagg	accctttctg	1980
agcctggggc	tggttggctc	cagaaccctg	actcccccta	gtccccatgt	actctcactc	2040
acctggggagc	cattgaggaa	gttgcccacc	gctaggagg	tagccaggat	gcagcggaag	2100
gtggcattct	gtaccagctg	ttccataccc	actttcaggt	caaacagtgg	ctcagcaatt	2160
tcctgggtatg	ggagaccagg	gactctcaga	ctacatgggtc	atgatgctta	cctgtcccta	2220
ctgactgtcc	cactccaaga	cccagggtacc	cgctccatgc	tgtcatagtc	cagcttgaag	2280
gcccagagtt	gtagacgagc	agcgaggccg	ccaatggagg	caagagtc	caggaagttc	2340
tcggctggggc	ccaggggtat	gtcagggttg	gccagctggg	cttctcaat	cttctgccgc	2400
tcttctcccg	tgggcatcat	ggtcagtagc	ttctgaggat	gtagccagag	cctgacatgg	2460

09500550  
092760-200550

095003-09160

ccccctcaat	gcaggcctga	ggcctgaggg	attggtcttg	accctcag	catctagggg	2520
agggccag	gtctggggac	tgccctgcag	aaatgccaa	cccatgccc	ccaccagagg	2580
gacaggaa	gcccacctac	caaaggagaa	ggccagacct	ccccccaaca	cccatagctg	2640
ggtagacct	cctcaatgcc	atccttgctg	acagcaaact	catcaaagtt	gagcagagca	2700
gccttaatga	catgcacagg	tggcagtggt	gttaggccga	tggtgatggc	gttgctgcgc	2760
ttgggggtcca	gactgtgggt	cattgtccgg	cggccctctc	cagctttctg	catgggtggg	2820
ggaagggcag	tgtaagactg	aggaaggggg	cctgacgcgg	tggctcacgc	ctgtaatccc	2880
agcacttttg	gaggccaagg	cgggtggacc	acgaggtcag	gagatcgaga	ccatcctggc	2940
taacatggtg	aaaccccatc	tctactaaaa	atacaaaaa	aattagctgg	gcgtgggtggc	3000
gggcacctgt	agtcccagct	actcgggagg	ctgaggcagg	agaatggcgt	gaacccggga	3060
ggcggagctt	gcagtgaact	gagatcacac	cattgcacta	catcctgggt	gactgagcaa	3120
gactctgtct	caaaaaaaa	aaaaaaa	aaaagactga	ggaaggga	agctgggaca	3180
gcaacctcag	agggcactcc	aaggccctcc	tctagattgc	caaatgatcc	cacaactgac	3240
aaactggcaa	cctggaatgt	gtaagtcagt	gggatgagct	tagattcttt	tgagacaggg	3300
cctggctcta	ccatctaggc	tggagtgcag	tgggtccatc	atcgccact	gcagcttatc	3360
ttctgggatt	ttcctgcctc	agcctcccaa	gtagctggga	ttacaggcgt	gtaccaccat	3420
acccaactat	tttttttttt	aacatTTTTT	tttccgcctc	ccaggttcaa	gcaattcttt	3480
tgccctcagc	toccaagtag	ctggtattgc	aggcatgagc	caccacgccc	agctcatttt	3540
catattttta	gtagagacgg	ggttttacca	tggtggccag	gctggtctca	aactcctggc	3600
ctcaagtaat	ctgcctgcct	tggcctccca	aagtgtctgg	attacagggg	tgagccacca	3660
tgcccggtta	atTTTTTTTT	taacattttat	ttatttttat	ttattttagt	atTTTTTgaga	3720
cgaagtcttg	ctcttgctcc	ccaggctgga	gtgcaatggt	gcgatctcga	ctcactgcaa	3780
cctctacctc	ccgggttcaa	gtgattctcc	tgccctcagc	tcccagtag	ctgggattac	3840
aggtgcccgc	caccacgctt	ggctaatttt	gtgttttttag	tagagacggg	gttttgctaa	3900
tttgaccagg	ctggtctcga	actcctgacc	tcaaatgatc	cacctgcctc	ggcctcccaa	3960
ggtcctggga	ttacaggcat	gagccactac	accagacca	acttttagta	gagataatgt	4020
ctcactatgt	tgacacaggc	ggtctcaaac	tcttgatta	caggtgtgag	ccaccatgcc	4080
cggccacatt	tagattctag	ttggggcact	gctgatccct	tgtaggaga	ccttggaaca	4140
tttctactc	ctttctttgc	cttggtttcc	ccatgtggga	agtgaagtac	tagctccaac	4200
aggtcagatc	cttaagctct	gattccctcc	tgcttccctt	ggggctacct	tgagatgag	4260
tggaattacc	ttggaggcca	gcacctcttt	ggcacgagac	tcaaagaggt	gttccagtcg	4320
ggcctgtctc	actgagacag	ggtccagtga	agcccagagg	gtggcgagc	gcccagagcg	4380
gcttgacag	actccatggc	ccccagccag	cttcagctca	cgccagaaaa	gttttactgt	4440
cttctcttta	gtggggaggg	ctgagctgtc	aggcactgaa	tggggaagag	gggcagccag	4500
aggtagaggt	ggaggtgggt	ggaagggggc	tttgatgggt	gggggaggtg	gaagtggggg	4560
aggggggtgg	tactcccag	agcaggggca	gtgggggtga	gggagctggg	atgtctttcc	4620
cagcctccac	agactctaca	ttcagcatgt	cctggtcttc	atcctccctt	agatctgaaa	4680
agtcagggtc	cccaatagag	agcctgggtg	cacgggtagg	gagctcccag	atgggctcag	4740
ccttggggct	tgctgggtatc	agtggctcct	tgggctctgg	tgcaaggctt	cgctggggcc	4800
ggagcaggac	acagggggca	gggctctggg	gtgttctggc	tgcaggggct	gtctctgggg	4860
agtcccagag	ttgccgggca	tctaaagaaa	gggaaggagc	tgctcagtgc	atgccccctg	4920
tggggcaaca	aagcaacagg	caggctctgc	ctgctcacc	acctactcac	ctgggtgtcc	4980
acccgcctca	ttgggcatgg	ccccggcaag	tgtctctgcc	cggccctggg	ccagcgcaac	5040
ctgcttctct	gtttctgctg	ccgccacatt	ctccaggaac	cgggctctga	gggaagggtg	5100
ttgtcactga	cagcgtctga	cacaccccag	cccagggtga	catgccttgc	tgagccccctg	5160
gacaccaccc	ccaattgcag	gcacgcacag	acacacaggg	aacagtccat	gcgctgagca	5220
gaccagaacc	acaccccccc	caaggccagc	ccctcttcag	tcctccacat	ctggggagga	5280
ttactaccaa	cccagcattc	ccagggtgaa	acacagggag	aggatctact	taacatctaa	5340
cttgcaacct	cgttcatggt	cactgtcctg	gttttttttt	ggttgggttt	tttttttagag	5400
acaggggtctc	actctgtcag	tcacccaggc	tggagtacag	tggtgtgatc	atagctcact	5460
gcagcctcac	tctcctgggc	ttgaccctca	gcctcccaag	tagctgggac	tacagacatg	5520
tgccaccacg	tccagctgat	tttttaattt	ttttgaggag	acaggggtctc	actgtgttgt	5580
tcaggctggc	cttgaattcc	tggcctcaag	cagtcctccc	acctcagcct	cctgaagtgc	5640
tgagattaca	ggtgtgaatg	atgcacccag	ccaaatttta	aaaaatttct	ttgtagagat	5700
gaggtcttac	tgtgttgccc	aggctgggtg	cttgagtcta	gacaaggact	cttagagcag	5760
gggaagggga	tagctgtccc	aatgggcata	tcaggctgtc	cctcccttgg	catgtctggt	5820
agcttctggg	agcctatgcc	caggaaaggg	cctggtaaac	aggccaggtg	cggtgggtca	5880
cgcttgtaat	cccagcactt	tgggaggcag	aggtgggtgg	attacttgaa	gtcaggagtt	5940
cgagaccagc	ctggccaaca	tgggtgaaac	ctgtctctac	taaaaataca	aaaattaccc	6000
aggtatcctg	gtgcaggcct	ataatcccag	ctacttggga	ggctgaggca	ggagaattgc	6060
ttgaacctgg	gaggcagagg	ttgcagtgtg	ctgagatcac	accactgcac	tccagccttg	6120

T02T60"23005660

gagaccgagc	aagactctgt	ctcaaaaaaa	aaaaaaacaa	aaaaaaaacg	gatgtggtaa	6180
acagtggacc	ctcagtttat	gctgaaataa	tgggtgcaat	ccagtgtttc	ttttctggcc	6240
cctccagcct	ctgtcagctc	tcagtcctctg	cctttccctc	agccttaggt	tacccctcca	6300
ccccacaccc	acacaccaca	cagcacccta	ggccccctcc	ctgctcgctt	ctgagctgaa	6360
gacttggcag	aatgagcccc	aggttgggtg	tccacatccc	catctctggc	tgctaagggtg	6420
ttgctattga	agcacaggga	ccactgtgac	cccagtgaat	tggttcccag	tgcttagcct	6480
ttgggttacc	gaggaggcat	atgtctggga	gaggataggc	ctgagtcccc	cagctttggt	6540
tgcatacaggc	acgtgaaacc	cctgctgggg	gaagcaatgc	tgaagccctg	agcacatggc	6600
aggcctggca	ggccggcctc	tgtacttact	ccagcctggc	ctgcccagga	ggggactggg	6660
ggacgggtgg	gctctcaggg	gccctgggta	ggggggatga	gaggaagaga	tggtactgt	6720
ggtgtcagct	ccatggttgc	tcatacccac	acagagctag	gcagtgatat	tggggttcct	6780
tcccagccgc	agtgggaagt	gggggaaggt	atgacacgag	gaaactggaa	gtggagggga	6840
gagactgacg	tggagcagga	caggggtctg	gaagagacag	aggcagcaga	acaaggaggt	6900
gacagatagt	gggaggggaga	catgacaaga	ggcaaagaca	ggcagaacgt	cggaggagac	6960
aaggaaacca	caggaggagg	agatccagtc	agagccgaac	cccacccgct	ggcagtcact	7020
taccaacgga	agcagtttgg	tgaagtctgg	aaagagagag	agagaaaagca	cgcttttggg	7080
cagaggaggc	tgagtgccca	tggaggggcg	caaagcggag	ggacaatggg	agagaggact	7140
ccagggtggc	ctctgtctcc	ctacttactt	gtagatgctc	ctctcgctgg	aggtgtcagc	7200
tgagggtgcc	acagagatgg	taggaaaaag	gttcaactgaa	gcttggagac	cggaggagg	7260
gcccacaggg	ctggaggcgg	ggcctgtcag	caggggcggg	ccggtggaag	aggtggggcc	7320
taccggtgag	gcggggcctg	tggggctgaa	agcaggggct	gtcagtgggg	cggggcctga	7380
gaagctggag	gcgggcctgt	cagtgggggtg	gggcctgcag	ggcggaaggt	ggggcatgtc	7440
tgcagggcac	gcccagtggg	ggagggtgggt	ggctgtctgt	tggggcgggc	ctgagggggt	7500
tggggtcagg	gcctgtcagc	tactggggcc	atgcctagta	gatccaccct	ttcccatcta	7560
cagatgctcg	tacttaccca	ggttccgggg	cacgcgcggg	gcagcccccg	ccttccagag	7620
aacggcggct	cctcttgccc	tcctcagaag	aaggctttcg	tcgttcccg	cgcccaccag	7680
cgcttggggc	ttcttcgatg	tctccatcct	ccaatttcag	ggcgttctag	cagaggcgga	7740
ccaggatgta	agaaagtgg	taacgtgtat	gcagggtggg	tggggcgctg	gggactgcgc	7800
ttctctcttc	cctctttcca	atccgcctca	gagcgtaagg	cccggcccac	ctcgtagagc	7860
acaagctgcg	tgcgcaggtc	gacgtcagtg	cccgcaagtc	ccagggtggc	ctggaccagc	7920
gcttccatgc	cctgctgctc	cagtgcatcc	gtcacatcgt	agaaggagtc	ctgggtccggg	7980
agcgccgcca	gcgtctggag	ggcggggata	agaaggcaag	gctgagggtg	gtggggaggt	8040
caggagcctg	agcatcccag	agctggcacc	cagtccttgg	ccacaccttg	ttgatgagg	8100
tgaccgtgta	caccaacaac	tcagggtcag	cgccattcct	ctcctccagg	atggacacca	8160
gattggccca	gggaggagca	cctgccacac	agaaagtgga	gcagtcatgg	gggaacaggt	8220
aggagagagg	gctctgagcg	gtgggggggag	aaaggggacag	tctctgaccg	gtggtgctgg	8280
ccacagagtt	actgacagcg	atgaacagcg	gtgcgttgtt	ttcggagtat	tctacaaaca	8340
ccaacagcag	cttcagggct	gtcttcacca	ccaagcggga	ctgaggagag	aggtcagtag	8400
atatgagtgg	ggcttaggcc	agacctgtgc	cagctgttgc	tggggaaggg	gaagggtgc	8460
tggggctgga	cccagagaga	atctaggcag	aatgaccctg	gccccaggcc	caggcactga	8520
agtgccttat	aggcttacag	aggcctcaga	ctcactccct	tccagctcac	tttgagaac	8580
aggaaactga	ggcccagaga	gaagcaacag	gcaaagggtg	taaggctgag	tggagagcca	8640
cttaccaggc	tggcacacaa	tgtgtacagc	cactgaatag	tgtcactgtg	ggccaccacc	8700
cccagcattc	catccacaaa	gagcatcagc	tggccgagcg	ctggggaaac	agggatgggc	8760
agagtcagcg	agggtcgctg	gagcagaggt	catgggagag	ggggggggct	gacctctaag	8820
gatgtagctc	tggtagttgt	ggtcggcagc	agcaccacac	cggatcaggc	agctcagccc	8880
ctctgaatgc	acaaattcag	gcaccaggtc	tttgtcctcc	taga		8924

&lt;210&gt; 2079

&lt;211&gt; 3357

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2079

ccgggggtccc	agttctaaag	tccccacgca	cccacccgga	ctcagaatct	cctcagacgc	60
cgagatgcgg	gtcacggcgc	ccgaaccct	cctcctgctg	ctctgggggg	cagtggccct	120
gaccgagacc	tgggcccgtg	agtgcgggg	cgggagggaa	atggcctctg	tggggaggag	180
agagggggacc	gcaggcgggg	gcgcaggacc	cggggagccg	cgccgggagg	agggtcgggc	240
gggtctcagc	ccctcctcgc	ccccaggctc	ccactccatg	aggatattct	acaccgcat	300
gtccccggccc	ggccgcgggg	agccccgctt	catcacccgtg	ggctacgtgg	acgacacgct	360



FILED "2005660"

gagggggaccg	caggcgggggg	cgcaggacct	gaggagccgc	gccgggagga	gggtcggggcg	240
ggtctcagcc	cctcctcacc	cccaggctcc	cactccatga	ggtatttcta	cacctccgtg	300
tcccggcccg	gcccggggga	gccccgcttc	atctcagtgg	gctacgtgga	cgacacccag	360
ttcgtgaggt	tcgacagcga	cgccgcgagt	ccgagagagg	agccgcgggc	gccgtggata	420
gagcaggagg	ggccggagta	ttgggaccgg	aacacacaga	tctacaaggc	ccaggcacag	480
actgaccgag	agagcctgcg	gaacctgcmc	ggctactaca	accagagcga	ggccgggtgag	540
tgaccccgcc	ccggggcgca	ggtcacgact	ccccatcccc	cacgtacggc	ccgggtcgcc	600
ccgagtctcc	gggtccgaga	tccgcctccc	tgaggccgcg	ggacccgccc	agaccctcga	660
ccggcgagag	ccccaggcgc	gtttaccggg	tttcattttc	agttgaggcc	aaaatccccg	720
cggtttggtc	ggggcggggg	ggggctcggg	ggactgggct	gaccgcgggg	ccggggccag	780
ggtctcacac	cctccagagc	atgtacggct	gcgacgtggg	gccggacggg	cgcctcctcc	840
gcgggcata	ccagtagccc	tacgacggca	aggattacat	cgccctgaac	gaggacctgc	900
gctcctggag	cgccgcggac	acggcggtc	agatcaccca	gcgcaagtgg	gaggcgcccc	960
gtgaggcgga	gcagcgggaga	gcctacctgg	agggcgagt	cgtggagtgg	ctccgcagat	1020
acctggagaa	cggggaaggac	aagctggagc	gcgctggtac	caggggcagt	ggggagcctt	1080
ccccatctcc	tataggtcgc	cggggatggc	ctcccacgag	aagaggagga	aaatgggatc	1140
agcgctagaa	tgctgccttc	cgttgaatgg	agaatggcat	gagttttcct	gagtttcttc	1200
tgagggcccc	ctctttcttc	tagacaatta	aggaatgacg	tctctgagga	aatggagggg	1260
aagacagtcc	ctagaatact	gatcaggggt	cccccttgac	ccctgcagca	gccttgggaa	1320
ccgtgacttt	tccctctcag	ccttgttctc	tgctctcac	tcagtgtgtt	tggggctctg	1380
attccagcac	ttctgagtea	ctttacctcc	actcagatca	ggagcagaag	tccctgttcc	1440
ccgctcagag	actcgaactt	tccaatgaat	aggagattat	cccagggtgcc	tgcttccagg	1500
ctggtgtctg	ggttctgtgc	cccttcccc	ccccagggtg	cctgtccatt	ctcaggctgg	1560
tcacatgggt	ggtcctaggg	tgtcccatga	aagatgcaaa	gcgcctgaat	tttctgactc	1620
ttcccatcag	accccccaaa	gacacacgtg	accaccacc	ccatctctga	ccatgaggcc	1680
accctgaggt	gctgggcoct	gggtttctac	cctgcggaga	tcacactgac	ctggcagcgg	1740
gatggcgagg	accaaactca	ggacactgag	cttgtggaga	ccagaccagc	aggagataga	1800
accttccaga	agtgggcagc	tgtgggtggg	ccttctggag	aagagcagag	atacacatgc	1860
catgtacagc	atgaggggct	gccgaagccc	ctcaccctga	gatggggtaa	ggagggggat	1920
gaggggtcat	atctcttctc	agggaaagca	ggagcccttc	agcagggtca	gggcccctca	1980
tcttcccctc	ctttcccaga	gccgtcttcc	cagtcaccgc	tccccatcgt	gggcattgtt	2040
gctggcctgg	ctgtcctagc	agttgtggtc	atcggagctg	tggtcgctgc	tgtgatgtgt	2100
aggaggaaga	gttcaggtag	ggaaggggtg	aggggtgggg	tctgggtttt	cttgtcccac	2160
tgggggtttc	aagcccaggg	tagaagtgtt	ccctgcctca	ttactgggaa	gcagcatgca	2220
cacaggggct	aacgcagcct	gggaccctgt	gtgccagcac	ttactctttt	gtgcagcaca	2280
tgtgacaatg	aaggatggat	gtatcacctt	gatggttgtg	gtgttggggg	cctgattcca	2340
gcattcatga	gtcaggggaa	ggtccctgct	aaggacagac	cttaggaggg	cagttgggtcc	2400
aggaccacac	cttgcttttc	tcgtgtttcc	tgatcctgcc	ctgggtctgt	agtcatactt	2460
ctggaaattc	cttttgggtg	caagactagg	aggttcctct	aagatctcat	ggccctgctt	2520
ccctccagtg	ccctcacagg	acattttctt	cccacagggt	gaaaaggagg	gagctactct	2580
caggctgcgt	gtaagtgggt	gggggtgggg	tgtggaggag	ctcaccacc	ccataattcc	2640
tccctgtccca	cgtctcctgc	gggctctgac	caggctcctgt	ttttgttcta	ctccaggcag	2700
cgacagtgcc	cagggtctctg	atgtgtctct	cacagcttga	aaagggtgaga	ttcttggggg	2760
ctagagtggg	tgggggtggc	ggtctggggg	tgggtggggc	agaggggaaa	ggcctgggta	2820
atggggattc	tttgattggg	atgtttcgcg	tgtgtgggtg	gctgtttaga	gtgtcatcgc	2880
ttaccatgac	taaccagaat	ttgttcatga	ctgtgttttt	ctgtagcctg	agacagctgt	2940
cttgtgaggg	actgagatgc	aggatttctt	cacgcctccc	ctttgtgact	tcaagagcct	3000
ctggcatctc	tttctgcaaa	ggcacctgaa	tgtgtctgcg	tccctgttag	cataatgtga	3060
ggaggtggag	agacagccca	cccttgtgtc	cactgtgacc	cctgttccca	tgtgtacctg	3120
tgtttctctc	ccagtcatct	ttcttgttcc	agagaggtgg	ggctggatgt	ctccatctct	3180
gtctcaactt	tacgtgcact	gagctgcaac	ttcttacttc	cctactgaaa	ataagaatct	3240
gaatataaat	ttgttttctc	aaatatttgc	tatgagaggt	tgatggatta	attaataaag	3300
tcaattcctg	gaatttgaga	gagcaaataa	agacctgaga	accttccaga	atctgca	3357

&lt;210&gt; 2081

&lt;211&gt; 1098

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2081

FOIA b 7 - D

ctgatacctgc	gccatgatcc	tggatggctg	cgccccactt	atgagcccat	tggattgggt	60
gggtgctcggg	gcaccaagag	agggtgcccc	acacaccacg	tgtattgtgg	tatacaagag	120
ggcatcgagc	ccctcagtgg	gagatatttt	gccaaactgcc	atgtggaaga	gggtgcctcca	180
gctgcccga	acgaccgggc	agcccatcgg	ctatgggagg	ccagcaagag	gctggcaggg	240
cttgggcctg	gggagtatgc	tgaacccgat	gaagaccccc	agtctgagga	ctcagaggcc	300
ccatcttgtc	taagcacc	ccaccctgag	gagcccacag	tttctcaacc	ttaccccgagc	360
cctcagagct	caccagattt	gtctaagatg	acgcaccgaa	ttcaggctaa	agttgagcct	420
gagatccagc	tctcctaacc	ctcaggccag	gatgcttgcc	atggcacttc	atggtccttg	480
aaaacctcgg	atgtgtgcga	ggccatgccc	tggacactga	cgggtttgtg	atcttgacct	540
cgtggttac	tttctggggc	cccaagctgt	gccctggaca	tctcttttcc	tgggtgaagg	600
aataatgggt	gattatttct	tcctgagagt	gacagtaacc	ccagatggag	agataggggt	660
atgctagaca	ctgtgcttct	cggaaatttg	gatgtagtat	tttcaggccc	cacctttatt	720
gattctgata	agctctggag	cagaggcagg	gagtttgcaa	tgtgatgcac	tgccaacatt	780
gagaattagt	gaactgatcc	ctttgcaacc	gtctagctag	gtagttaa	taccccatg	840
ttaatgaagc	ggaattaggc	tcccagagcta	agggactcgc	ctagggtctc	acagtgaagta	900
ggaggagggc	ctgggatctg	aacccaaggg	tctgaggcca	gggcccactg	ccgtaagatg	960
gggtgctgaga	agtgaatcag	ggcagggcag	ctgggtatcga	gggtgccccat	gggagtaagg	1020
ggacgccttc	cgggcggatg	cagggctggg	gtcatctgta	tctgaagccc	ctcgggaataa	1080
agcgcgttga	ccgccgaa					1098

&lt;210&gt; 2082

&lt;211&gt; 255

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2082

gggtcgcgca	gccctggagg	gcaggtgcct	gtatggggag	gggccctgaa	acagaggctcg	60
tttctcggca	cagtcagacc	cgttaattcc	aagcaggctg	gggcttggtg	gggattaccg	120
gcactgcccg	cccaggagac	goggatgcgg	cctctacagg	ttgggaaacc	cggttctggg	180
cagtcagttt	tgggattgca	aaatgctgca	agttccagaa	tttctatcta	gggtggggcat	240
ggggactgcg	gtact					255

&lt;210&gt; 2083

&lt;211&gt; 984

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2083

cctctctgcc	cccattttcca	ctcctgctct	tgggacacag	gagactgggt	agatgagagt	60
agaaagttta	tttttgaaca	cccagggtgtg	gggtggctgg	gcgagaccat	ctgatggctt	120
tgggagccag	gccgcagggg	ttagcttgga	tctggtgagt	aggagaccct	taaacatggc	180
caccctgagc	taagagctgg	tcttggtatt	tgttttcttt	tggattaacc	gagtattttg	240
tgggattcca	tttgatccct	taactggctg	accagctata	actcctgggt	atgttgtttt	300
agtgttgctc	caggtgtcgt	tggaggagaa	gttgaaggta	caaggagttt	gcaggaggga	360
aggtggcagt	taatgagcct	tcctgggtggg	accgatgggt	gagggcaggg	gcattctggcc	420
cagcgtggac	tcggggcata	gatggggaagt	ggctatttgg	aggtcacat	ctctctgaca	480
ccctgaccat	agcaccctgca	cccctgtgct	gagctgcagg	tccccggcac	cagcgtctgt	540
gcagctcagg	tgttgctgag	ccgtggcctc	cgcagctctc	catcaggatt	tctcaagctt	600
cattatgaat	tatctctgtg	tgagctcaca	acgggtgactg	cagagtccca	ggcatctctt	660
cagatcttct	gaatcaaa	tatgggtctgc	agttgcccg	catgtctttg	gccgattttc	720
tgacaatcaa	agtgaagaag	ttctgagcta	cgggaagttg	gggtgaaggc	atgatgggga	780
aaacatgatt	agttgacagc	ttttcccgaga	gagtttttag	acaaactcaa	ccttggtaac	840
cttctcagtg	ggcttatgat	aagaaccttc	aatgtgcca	aaaataaaaa	aagcagcact	900
ccaggtagtt	aatctttgtt	taaaaaaccc	ttccccccac	ccagtcctgc	aaacaaacaa	960
acaaacaaaa	aaaggagaaa	aaaa				984

&lt;210&gt; 2084

&lt;211&gt; 984

<212> DNA  
<213> Homo sapiens

<400> 2084  
cctctctgcc cccattttcca ctctctgctct tgggacacag gagactgggtt agatgagagt 60  
agaaagttaa tttttgaaca cccaggtgtg ggggtggctgg gcgagaccat ctgatggctt 120  
tgggagccag gccgcagggg ttagcttggg tctgttgagt aggagaccct taaacatggc 180  
caccctgagc taagagctgg tcttggattt tgctttcttt tggattaacc gagtatattt 240  
tgggattcca tttgatccct taactggctg accagctata actcctgggtt atgttggttt 300  
agtgttgctc caggtgtcgt tggaggagaa gttgaaggta caaggagttt gcaggagggg 360  
agggtggcag taatgagcct tcctgggtgg accggatggg gagggcaggg gcactctggcc 420  
cagcgtggac tcggggccata gatgggaagt ggtcatttgg aggtcaccat ctctctgaca 480  
ccctgaccat agcacctgca cccctgtgct gagctgcagg tccccggcac cagcgtctgt 540  
gcagctcagg tgttgctgag ccgtggcctc cgcagctctc catcaggatt tctcaagctt 600  
cattatgaat tatctctgtg tgagctcaca acgggtgact cagagtccca ggtcatctct 660  
cagatcttct gaatcaaaca tatggtctgc agttgccgag catgtctttg gccgattttc 720  
tgacaatcaa agtgaagaag ttctgagcta cgggaagtgg ggttgaaggc atgatgggga 780  
aaacatgatt agttgacagc ttttcccaga gagtttttag acaaactcaa ccttggtaac 840  
cttctcagtg ggcttatgat aagaaccttc aatgtgcca aaaataaaaa aagcagcact 900  
ccaggtagtt aatctttgtt taaaaaacc ttccccccac ccagtcctgc aaacaaacaa 960  
acaaacaaaa aaaggagaaa aaaa 984

<210> 2085  
<211> 9545  
<212> DNA  
<213> Homo sapiens

<400> 2085  
aggtagaaga gagaccagaa aaagatttta ctgagaagggt aaggaatcgt tcataaacct 60  
agaggggtccc aaaagtgtgt gatgaaattg ataagaaaat atgttgcttg gtttttttta 120  
ataaggatgt tccccagcga ggggaactgga ctagaagcgc gccaccta cctggtatca 180  
ccttcccggg ggtaggccac cgggagtcct gtccgggtgt cgtagatcc ttagagcag 240  
ggaggcgttt ataatgggccc ccaccatgga gtttaggggt aatccagcta atcgagagc 300  
atccaggagg tgccctggaaa tgatccccct cttacagttt actataagcc catgaagagt 360  
ttccaatttg gaaatggaat taaagtaaca gtccctgtgat gtttagattt tatgcagttt 420  
tggttttgtc tgaaatcgca tctgtgttag tccgttctca cactgccata aagaacttcc 480  
ctgagactgg gtaatttaca aagaaaagag ctttaattga ctcacagttc cgcatggctg 540  
gggagacctc aggaaactta caatcatggg gaaaaggga gcaggcacct tcttcacaag 600  
gcgacaggag agagaacatg tgaaggagga actgtcaaac acaaagccat cagatctcct 660  
gggagcccac tcaactatcac gagaacagca tgggggaaac tgccccctg atccagtctc 720  
ctcccaccag ggccgtccct catcttgttg ggattatggg gattacaatt ccagatgaga 780  
tttgggtggg gacacagagc taaaccatat cagcatgtga tcctctcaac gttccagggg 840  
tctcgtaaca tgccgggccc gtctgcagcc acgctggcct ctctgggttg gacttctctc 900  
cggagaggca gcggagacac ctccatctcc atcgacaccg aggcattccat cagggaatc 960  
aagtgagat gctctcttct tactgacaac ttgagagaac cttttgtaaa aatcagttt 1020  
tagattaaaa aaaaaaaagt taattcataa agttctggat ctttcttctt ggtcctctct 1080  
ccctcacctc ccctaaaata cgggtgttct ctaacatcaa gaccagctc agatagtgtc 1140  
tcctgcagga atctgatcct acccactgac cccccagcag ggcggaccgt gtgccggccc 1200  
cctgcgcccc tcagcacccg gggaatacct tagtgagagc acttggcacg ttgtgttgat 1260  
gcacttggtc gtctctgtat gcttgggtct catagacatt cagtccacaa gtttgacac 1320  
cagacggctt tacctacttt cacacaaccc ctccccacta agtatgttcc ctttcggcct 1380  
agaacttgcc ctttcctttc tctttgtaat gtgccttttag tagccctcat ctttgatatt 1440  
taatgatttt ttttatccca ctgtagtgta ggtattattc tctgctctat cctcagcacc 1500  
caggacagtgc ccaggcattt ggtagtattc tgtgtgtgaa agagaaacac ggtgctattt 1560  
gttaaagtaa ctaggacag tgcactctgaa aacctgaaga ctggaagggc aggtgaggtg 1620  
actagacctg tgtcctccag ggagcagaac caagacagaa gcagctggaa ggagccagaa 1680  
ctgactcaga ttctgaattt tctagtgtt taaactaggt ttaaaaggga agcaacttcc 1740  
actggggatg tctgagcagc tggatggccc tttgccaggg aggcaggaga gggatttaag 1800  
catccaccag agtttgcca gggttacctt gaagatgctt ccaacaccta tgttttataa 1860  
gtttacaaaa ccagaagagc catttcccat gtgccacccc tgggccacct gcagctcctt 1920

0950550  
"2300550"  
092750

gttgcttccc	tttttttttt	ctttttcttt	tcttttcttt	ctttcttttt	tttttttttt	1980
tttttttttt	ggagacaaga	gttttgcttt	tgtcacccat	gctggagttc	aatggcacga	2040
tctcggctca	ctgcaacctc	cacctcccag	gttcaagtga	ttctccagcc	tcagcctcct	2100
gagtagctgg	gattacaggc	gccccccacc	atgcccggct	aacttttgta	tttttagtgg	2160
agacgggggt	tcgccatggt	ggccaggctg	gtcttgaact	cctgacctca	ggtgatccac	2220
ccactcggcc	tcccaaagtg	ctgggattcc	aggcgtgagc	cgctgcgcct	ggcctgttgt	2280
ttccgtttct	acagcagagc	agcagagttg	gcggcagtc	tgatgtttct	ctgcccttag	2340
gttgcgctg	ccgttcattt	gttcagggtac	ttactgagag	gctggctggt	gccagatgct	2400
gtccccggca	ccaggaattt	ggcaaagtag	agacttgagg	ctccataaat	gcagggaaaa	2460
agtgtacttg	atttttgcct	ctagcatctt	actgtacatt	gcacagagta	ggaactccta	2520
gtgcttgaat	gaattactaa	ataggagttg	aaataacctg	taccgttttc	cgaggctcta	2580
ttttgtctgt	tttttaaact	gtgtaaaatc	atatgagata	cactaaaatt	gtataaaatc	2640
atgtaaaaat	atcatatggg	atacacctga	actttaatct	ttaaataattg	aagtttattt	2700
tcccttaacg	cttaataaaa	taaaaaagaa	aattgggtgc	tcagactacc	caaatagaaa	2760
ctaccctgaa	gtataaaaga	tttaggggat	cacctgtttt	cccttgacat	catctgcctt	2820
ttttgccatt	ttccccagga	actcaatgag	ttaaaggacc	agattcagga	tgtagaaggc	2880
aaatacatgc	agggattgaa	agagatgaag	gtaccaattc	acagacgtgt	ggtctcacga	2940
tattaaccca	acttaactta	aaaaaaaaaa	caacatccta	aagaagaaat	tcaaagtgca	3000
tgttactgt	aaataggctc	caggggtgtg	aagaactcac	aatggcagga	gtgccggcat	3060
gggtgtacac	tcaccatttt	cccaaagtga	tgtttgaac	caagattgaa	aatgtaactg	3120
cccagtagaa	aaaggttact	acatactccc	tgatgcattg	cttagactta	ccatccttcc	3180
cccaggctta	aaaccagttt	ctcattttcc	ataggcgtgt	gccagacact	tgaagaagg	3240
tcttggtttt	cttcaacttt	tgtagtgttt	gtatacaaaa	atgcttcagt	tgatttgctt	3300
ctcaaaaat	ctgatgtcta	ctaataaggc	cgctctcaca	tgccacactt	ttgaaacatc	3360
ccaattattt	gcacctgtga	aaatgctact	aattgaagta	aagactgact	atggcattgg	3420
ctttcttgga	gcgtgtgcac	actgctttta	gagtgtgcag	tgacttcatt	gcaccagcca	3480
ggagatgtgg	ttgccctggt	ccttgacagt	aaggtgggca	atcagtgaat	gtcttcctta	3540
ggcagcagcg	gatcatggat	ctggaagtgg	gtggcgtatc	tgttacttcc	ttttcagccc	3600
cctagaaaagt	acctgcaaga	tcatttgaat	ttaatatcaa	agggcaccag	acagaggagg	3660
tgacatcgat	catgactaat	tcactatctt	catatctgcc	acctttcctg	aaagggggaa	3720
aaataagact	ctggctttca	attcatgcca	aaaggagcca	cttgggccagg	cggtgtggct	3780
cacgcctgta	attccacact	ttgggaggcc	gaggtgggtg	gatcaccgga	ggtcaggagt	3840
ttgagaccag	cctggccaac	atggtgagac	cccgctctta	ctaaaaatat	aaaaattagc	3900
caggtgtggt	ggtgcgcacc	tgtaatccca	gctacttggt	aggctgagtc	aggagaatca	3960
cttgaaccgg	gcaggtggag	gctgcagtga	gccgagatcg	tgccactgca	ctccagcctg	4020
ggtgacagag	cgagacactg	tttcaaaaaa	gaaaaaatgc	tgctggggag	ccactgaacc	4080
aaccggagac	ccgctggtcc	cacgtgaagc	agctgtcctg	gtgtggagg	acagagctag	4140
accagcactg	gtccctccag	ccccctggta	gcctctgctg	cacctgaact	ggcagctctt	4200
gccgctgcct	ttagctctgc	atgtatgcgc	cctgaagggt	ctgcctctct	gttttggat	4260
cgcttcccc	tcctcatggt	tggggacctg	caaggggtgtg	aggcacgtga	gggcatcgcc	4320
atgcgtat	tacaggcctc	tttctctgga	ctgtccttca	aaggggaatga	cctttgtctt	4380
tccaggacct	accagtgag	atctgcctgc	catttttcta	tgagtcaaaa	atctgaactc	4440
actactgtc	ctttcctggt	tcataagcca	gagttagggt	ggttggcagt	cactggcttg	4500
tggccctatg	taattatctc	agccatcaca	cactggctct	ttcacaagg	ctggtcacac	4560
gcctcgagt	attcttcaga	aatctgttga	acagcctgac	accagccct	aggacgccgt	4620
gctgggggga	ttccccagct	actgagtggg	gccagagact	ctactgcctc	tgtgaccaca	4680
tccctttcca	tactggtatc	tcgtttgttc	taatgagtgt	gtccattgct	tttaatagt	4740
aattttctga	gcaatgagaa	tttgaccaaa	ttgaaaagg	ggatttccat	gcatttgaaa	4800
ttgccatgtg	tttcttcttc	tgatccattt	gctctaagaa	atatagtcta	agtttaggac	4860
tgagggtttt	tttttaacag	aatactgaat	gattctttgt	tttgattttt	ttattgcaat	4920
ttcaaaaata	tgacctgctt	tccacaggac	tctctagcag	aagttgaaga	gaaatataag	4980
aaggctatgg	tttccaatgc	tcagctagac	aatgaaaaga	caaacttcat	gtaccaggtt	5040
gataccctaa	aagatatggt	gctggagctt	gaagaacagc	tggttgaatc	taggcggcag	5100
tacgaagaga	aaaacaaagt	aagcattagt	atgatacaga	atgttaacaa	taggctgcgt	5160
gcagtggccc	atgctgttaa	ttctggtact	ttggggaggc	aaggtgggag	gattacttga	5220
gcccagagat	tcgagaccag	cctgggcaac	atggcgagac	atcatttcta	aaaagaatta	5280
aaacaattag	ccaggtggta	catggctgta	gtcccagcta	cttggggaagc	tgaggtggga	5340
ggatcacttg	agcctggaag	gttgaggctg	cagtgaagctg	tgttgacacc	actgcactcc	5400
agcttgggca	acagagaaga	cactgtctca	aaaaaaaaaa	aaaaaaaaagg	gaatggtagg	5460
gtgtgtgtgt	gtgtgtgtgt	atgtatgtat	gtatgtgtgtg	atatatcggtg	tgtatgtatg	5520
tatatataat	gtataattta	cattatgtat	ttttatattt	ttaaacaatg	gctctccgct	5580

09500560 "09T60" 2021

tatccaggaa	atccaaacat	ctgagaataa	aagtaccata	ctcttttgcca	agtgacttga	5640
aatatggata	cgtataat	caacatgtaa	actggagaca	gtttttctag	gagaacatct	5700
aagctaaaag	caaaaccatg	aaaaaacata	cctatgaaag	agccaccatg	ctcagataag	5760
gtgcgatcag	atgcttcaag	attttcctat	tcatatgtat	tttctgattt	ttattttggt	5820
ctctctcaac	accatagggg	aatagttatg	agtatcaaag	attttaagaa	aattatatta	5880
ttttctgctg	attgggaaaa	gacacagtta	ctctacttaa	gaattaaata	tatcaccaag	5940
ctcagagaga	gagatagtct	tatctgagct	ttcattagga	accactggaa	ctagtttggt	6000
aatagctgag	atcagatata	atttctattg	agagtctcaa	gcatgagtca	tgtgttaaga	6060
taagtaatga	cagcggactg	attccacgaa	ggctgggctt	ggatgttctt	tagatagaaa	6120
gcaaggaata	cttttttcat	acttttagga	attgtccaat	ttttcagaga	ttctgagaaa	6180
aacagaaaa	gtaatgtgtg	agtgtcggtg	ttgttgttgt	ttttaactgg	ctattatcct	6240
ctaaatccaa	agggttaaaa	ccaaggtacc	cttgacaacc	ttcaggcctg	cttcttcgac	6300
tgctatagaa	ttgagttgga	agctgaagaa	cattttacgc	acaaagtcc	ttatagctga	6360
actctgcaag	aggggagctt	ttcacaagac	tgatgtcatg	tgggaacgga	ggagtggaga	6420
gcacagccca	gcccccttc	gggtgggggc	ctgtaatgca	tatgcattcc	tcctggaatg	6480
ctgtcattag	gcatcattca	gtggactgaa	aactcccag	tctcactcca	gagaagctgg	6540
atggtgctag	aatgctgtcc	cgagatggac	acaggggcca	tgcaaagccc	cacaggaggg	6600
cccttgatcat	agccaggagg	gcaccagcca	cccccaagct	aaaggaagtg	ggcgaacaga	6660
agtgccaggg	tgagcagaag	ctcaggccag	atcccacttc	agatcaccgc	cctgacaggt	6720
ctagggaaag	agcgtcctgc	aggcctgtaa	gctgtcagca	aagtgagttg	ggtctcaggc	6780
cgtcaccagg	gattgcgctg	ctgtgactgg	gcaggaacac	agcagagccg	agctgccagc	6840
ttcctgggct	gagcctcagg	tggggaggcc	aggcctgagg	agcagctagg	ttttgcaggc	6900
tctccatttg	ctccccaaa	ctctcctgtt	tttgtctctt	aaggggcagc	cctgaagcac	6960
agagctggcc	accagctgtt	catgagagat	gcttttagtag	gccatgttta	tctccttttt	7020
atcccaaaga	gttttccttg	tcatatttca	gcaggggcca	ttttatggta	agtccttgca	7080
gggcagcctc	accagggctc	tcagcacagt	gctgtggaag	acaccaggct	ccctgggggg	7140
gcccttcgct	ggctcttgct	tactgtaga	taagaaatca	gaaaatcctt	gttgattgca	7200
tcaactcctc	aggttaat	gacagtaagt	catcaggcat	catctataaa	gtccagagga	7260
atctgtttgt	gttgtttgaa	agggcttgaa	ggccagggtg	agtggctcat	gcctgtaatc	7320
ccaacacttt	gggaggctgg	ggcaggtgga	tcgcttgagg	tcaagagttt	gagaccagtt	7380
tgccaacat	ggtgaaaccc	gatctctacc	aaaaatagaa	aaattagccg	ggcatggagg	7440
caggcgctg	tattcccagc	tacttgggag	gctgaggcag	cagaatcgct	tgaaccagg	7500
aggcagaggt	tgcagtgagc	tgagatcgca	ccactgtact	ccagcctgga	caacagagca	7560
agactccatc	tcaaaaaaat	atataaataa	aaaataaaat	aaaagacctt	gaagattgtg	7620
atgatgtagt	agcaggtgat	ttgttccaca	gaaactataa	atcgtgagag	cctgaactgg	7680
catgccagaa	acatgggatt	ccactgcttt	agtgtgtgtt	ttctccttta	cagggaattg	7740
aaagggaaaa	acacgcccac	agtatactgc	aatttcagtt	tgctgaagtc	aaggaggccc	7800
tgaagcaaag	agaggaaatg	ctcgaggtag	gtagcattct	cctgcttttc	ttttcctttt	7860
ttccctttgg	agcattttgt	caggccatga	ctactcttagc	ttaggctgca	gtaataaaat	7920
accatacaca	gcatggctta	aacaacagaa	attaattttc	ttacaattct	ggaggctggg	7980
agtccaagat	caaggttggg	ttcaggtgag	gcctctcttc	ctggcctgca	gacagccacc	8040
ttcttgetat	atccttcctc	caacggtgga	gaaaaagcaa	tgtctctgat	gtctcttcac	8100
ataaggacac	taatcctatt	tgatcaggac	cccactctta	tgacctcatt	taaccttaat	8160
tacttcgtaa	aaaccctatc	tccaaataca	gtcacatttg	gcattagggc	ttcaacagat	8220
gaatttagag	ggacacaatt	cattccatgg	caattactaa	agttttcagt	tttcttaaat	8280
ctgagagttt	aggctaactc	tccatcccta	gatttacgaa	acagtccttc	tcattgggtga	8340
acattcctat	tctttgggtga	tcttgtattt	gtttggggag	gtgtggtaga	cagaataatg	8400
gtcccccgaa	gttgccctaca	tccagatccc	tggaaactgt	aaatatgatg	ccttacatgg	8460
ttaaagggcc	cctgcagttg	tgatgagaga	ccttgagaga	agggattatc	ctggattatt	8520
tgatggaaca	agcatccttc	taagaggaag	gcaactcaaa	ggcagaagta	gaagatgtga	8580
cacaggaagc	tgaggttggg	gcgatgcgag	agaggggcca	tgagccaagg	aaagcagctc	8640
agtcttagaa	gctgaaaaag	gcagggaaac	agattctccc	tagagccttc	cagaaaggct	8700
tgatttttagc	ccataagact	cattttggac	ttctgacctc	tagaattgca	agagaataaa	8760
tttgtgtttt	aagctgctga	atttatgacg	attcattaca	atggcaataa	gaaactaata	8820
cagggttggg	ttttaatttt	ttgacttaat	cggttcttta	actgctgcct	tgaagtgaga	8880
atttcaccca	aagcaggttt	tcttcctgca	cttcttgaa	ccggaagtag	gacaaggaaa	8940
aaaatcctag	aatgctgaca	atgagttcag	ggttgatgag	gtgaaagagt	gcttgcgccc	9000
tcaactcactg	tcccagctct	caggttctct	ctcgggctgg	ggtttttctt	cctctttaac	9060
cctttatctg	ctttctgtct	gttcctttcc	tcaggaaatc	cgacagctac	agcagaaaca	9120
ggcgagttct	atcagggaga	tttctgatct	tcaggaaaca	atagagtggg	aagacaaaaa	9180
gataggggta	ggattcccaa	gtcttgaaaa	tctactcaaa	tgggcagcct	gcttagcaaa	9240

tagagttttt	tcagagtctt	tagttttgcaa	aaccgcttgt	ctgagtatgc	atgcaactcc	9300
cacgtgacac	aaagtcgtat	taattttattt	aattttatta	agtagtgaat	acactaactt	9360
atccaaattg	atatgaactt	ggattgtgac	acggactctc	catggagggg	cttgtgaatg	9420
cgtagctgtg	cgctctgcct	gccccgtggc	tggggccgggc	cggtggttgt	tgaaacagct	9480
ggagtgagga	ggacactctg	aggaggtctg	atgtgtgcaa	gtccagacgt	cttgggatta	9540
tctgc						9545

&lt;210&gt; 2086

&lt;211&gt; 7809

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2086

aggtagaaga	gagaccagaa	aaagattttta	ctgagaaggt	aaggaatcgt	tcataaacct	60
agaggggtccc	aaaagttgtg	gatgaaattg	ataagaaaat	atggttgcttg	gttttttttta	120
ataaggatgt	tccccagcga	gggaactgga	ctagaaagcg	gccaccta	cctgggtatca	180
ccttccccgga	ggtaggccac	cgggagtcct	gtccggtgtg	cgtagatcc	tgtagagcag	240
ggagggcgtt	ataatgggccc	ccaccatgga	gttttagggtt	aatccagcta	atcgagagc	300
atccaggagg	tgccctggaaa	tgatccccct	cttacagttt	actataagcc	catgaagagt	360
ttccaatttg	gaaatggaat	taaagtaaca	gtcctgtgat	gttagattta	tatgcagttt	420
tggttttgtc	tgaaatcgca	tctgtgttag	tccgttctca	cactgccata	aagaacttcc	480
ctgagactgg	gtaattttaca	aagaaaagag	ctttaattga	ctcacagttc	cgcatggctg	540
gggagacctc	aggaaactta	caatcatggg	gaaaagggaa	gcaggcacct	tcttcacaag	600
gcgacaggag	agagaacatg	tgaaggagga	actgtcaaac	acaaagccat	cagatctcct	660
gggagcccac	tactatcac	gagaacagca	tgggggaaac	tgcccccg	atccagtcct	720
ctcccaccag	ggccgtccct	catcttgtgg	ggattatggg	gattacaatt	ccagatgaga	780
tttgggtggg	gacacagagc	taaaccatat	cagcatgtga	tcctctcaac	gttcagggg	840
tctcgtaaca	tgccgggcct	gtctgcagcc	acgctggcct	ctctgggtgg	gacttcctct	900
cggagaggga	gcggagacac	ctccatctcc	atcgacaccg	aggcatccat	cagggaaatc	960
aaggtgagat	gctctcttct	tactgacaac	ttgagagaac	cttttgtaaa	aatcagtcct	1020
tagattaaaa	aaaaaaaaag	taattcataa	agttctggat	ctttcttctt	ggctctctct	1080
ccctcacctc	ccctaaaata	cgggtgttct	ctaacatcaa	gaccagctc	agatagtgtc	1140
tctgcagga	atctgatcct	acccactgac	ccccagcag	ggcggaccgt	gtgccggccc	1200
cctgcgcccc	tcagcacccg	gggaatacct	tagtgagagc	acttggcacg	ttgtgttgat	1260
gcacttggtc	gtctctgtat	gcttgggtct	catagacatt	cagtccacaa	gtttggacac	1320
cagacggctt	tacctacttt	cacacaaccc	ctccccacta	agtatgttcc	ccttcggcct	1380
agaacttgcc	cttttccttt	tctttgtaat	gtgcctttag	tagccctcat	ctttgtattt	1440
taatgatttt	ttttatccca	ctgtagtgtg	ggattatttc	tctgctctat	cctcagcacc	1500
caggacagtg	ccaggcattt	ggtagtatct	tgtgtgtgaa	agagaaacac	ggtgctattt	1560
gttaaagtaa	ctagggacag	tgcatctgaa	aacctgaaga	ctggaagggc	aggtgaggtg	1620
actagacctg	tgctctccag	ggagcagaac	caagacagaa	gcagctgaaa	ggagccagaa	1680
ctgactcaga	ttctgaattt	tctagtgtct	taaactaggt	ttaaagggga	agcaacttcc	1740
actggggatg	tctgagcagc	tggatggccg	tttgccaggg	aggacggaga	gggatttaag	1800
catccaccag	agtttggtcca	gggttacctt	gaagatgctt	ccaacaccta	tgttttataa	1860
gtttacaaaa	ccagaagagc	catttcccat	gtgccacccc	tgggccacct	gcagctcctt	1920
gttgcttccc	tttttttttc	ctttttcttt	tctttctttt	ctttcttttt	tttttttttt	1980
tttttttttt	ggagacaaaa	gttttgcttt	tgtaaccocat	gctggagttc	aatggcacga	2040
tctcggtcca	ctgcaacctc	cacctcccag	gttcaagtga	ttctccagcc	tcagcctcct	2100
gagtagctgg	gattacaggc	gcccgcacc	atgcccgggt	aacttttgta	tttttagtgg	2160
agacgggggt	tcgccatgtt	ggccaggctg	gtcttgaaact	cctgacctca	ggtgatccac	2220
ccactcggcc	tcccaaagtg	ctgggattcc	aggcgtgagc	cgctgcgcct	ggcctgttgt	2280
ttccgtttct	acagcagaac	accaaagttg	gcggcagtc	tgatgtttct	ctgcccttag	2340
gttgcgcggt	ccgttcattt	gttcagggtac	ttactgagag	gctgggtggg	gccagatgct	2400
gtccccggca	ccaggaattt	ggcaaagtga	agacttggag	ctccataaat	gcagggaaaa	2460
agtgtactgt	atttttgcct	ctagcatctt	actgtacatt	gcacagagta	ggaactccta	2520
gtgcttgaat	gaattactaa	ataggagttg	aaataacctg	taccgttttc	cgaggctcta	2580
ttttgtctgt	tttttaaaact	gtgtaaaaatc	atatgagata	cactaaaatt	gtataaaatc	2640
atgtaaaaat	atcatatggg	atacacctga	actttaatct	ttaaatattg	aagtttattt	2700
tcccttaacg	cttaataaaa	taaaaaagaa	aattgggtgc	tcagactacc	caaatagaaa	2760
ctaccctgaa	gtataaaaaga	tttaggggaat	cacctgtttt	cccttgacat	catctgcctt	2820

09005660  
 2086  
 7809  
 DNA  
 Homo sapiens

09505560  
"2305560"

ttttgccatt	tccccagga	actcaatgag	ttaaaggacc	agattcagga	tgtagaaggc	2880
aaatacatgc	agggattgaa	agagatgaag	gtaccaattc	acagacgtgt	ggtctcacga	2940
tattaaccca	acttaactta	aaaaaaaaaa	caacatccta	aagaagaaat	tcaaagtga	3000
tgcttactgt	aaataggctc	caggggtgtag	aagaactcac	aatggcagga	gtgccggcat	3060
gggtgtacac	tcaccatttt	cccaaagtga	ttgtttgaac	caagattgaa	aatgtaactg	3120
cccagtagaa	aaggttacta	acatactccc	tgatgcatgc	cttagactta	ccatccttcc	3180
cccaggctta	aaaccagttt	ctcatttccc	ataggcgtgt	gccagacact	tgaagaaggt	3240
tcttggtttt	cttcactttt	tgtagtagtt	gtatacaaaa	atgcttcagt	tgattttgctt	3300
ctcaaaaatat	ctgatgtcta	ctaataaggc	cgctctcaca	tgccacactt	ttgaaacatc	3360
ccaattattt	gcaccctgta	aaatgctact	aattgaagta	aagactgact	atggcattgg	3420
ctttcttgga	gcgtgtgcac	actgctttta	gagtggtgcag	tgacttcatt	gcaccagcca	3480
ggagatgtgg	ttgccctggt	ccttgacagt	aagggtggca	atcagtgact	gtcttcctta	3540
ggcagcagcg	gatcatggat	ctggaagtgg	gtggcgtatc	tgttacttcc	ttttcagccc	3600
cctagaaaagt	acctgcaaga	tcatttgaat	ttaatatcaa	agggcaccag	acagaggagg	3660
tgacatcgat	catgactaat	tcactatctt	catactctgcc	acctttcctg	aaagggggaa	3720
aaataagact	ctggctttca	attcatgcca	aaaggagcca	cttgccagg	cggtgtggct	3780
cacgcctgta	attccacact	ttgggaggcc	gaggtgggtg	gatcaccgga	ggtcaggagt	3840
ttgagaccag	cctggccaac	atggtgagac	ccgctctcta	ctaaaaatat	aaaaattagc	3900
caggtgtggt	ggtgcgcacc	tgtaatccca	gctacttggg	aggctgagtc	aggagaatca	3960
cttgaacctg	gcaggtggag	gctgcagtga	gccagatcg	tgccactgca	ctccagcctg	4020
ggtgacagag	cgagacactg	tttcaaaaaa	gaaaaaatgc	tgctggggag	ccactgaacc	4080
aaccggagac	ccgctgggtcc	cacgtgaagc	agctgtcctg	gtgtggaggt	acagagctag	4140
accagcactg	gtccctccag	ccccctggta	gcctctgctg	cacctgaact	ggcagctctt	4200
gccgctgcct	ttagctctgc	atgtatgcgc	cctgaagggt	ctgcctctct	gttttggaat	4260
cgcttcccc	tctcatgtt	tggggacctg	caaggggtgtg	aggcacgtga	gggcatcgcc	4320
atgcgtattt	tacaggcctc	tttctctgga	ctgtccttca	aagggaatga	cctttgtctt	4380
tccaggacct	accagtgag	atctgcctgc	cattttccta	tgagtcaaaa	atctgaactc	4440
actactgctc	ctttcctggt	tcataagcca	gagtagggct	ggttggcagt	cactggcttg	4500
tggccctatg	taattatctc	agccatcaca	cactggctct	ttcacaaggg	ctggtcacac	4560
gcctcgagt	attcttcaga	aactgttga	acagcctgac	accagccct	aggacgccgt	4620
gctgggggga	ttccccagct	actgagtggt	gccagagact	ctactgcctc	tgtgaccaca	4680
tccctttcca	tactggtatc	tcgtttgttc	taatgagtgt	gtccattgct	tttaatagt	4740
aattttctga	gcaatgagaa	tttgaccaa	ttgaaaagg	ggatttccat	gcatttgaaa	4800
ttgccatgtg	tttcttcttc	tgatccattt	gctctaagaa	atatagtcta	agtttaggac	4860
tgagggtttt	tttttaacag	aatactgaat	gattctttgt	tttgattttt	ttattgcaat	4920
ttcaaaaata	tgacctgctt	tccacaggac	tctctagcag	aagttgaaga	gaaatataag	4980
aaggctatgg	tttccaatgc	tcagctagac	aatgaaaaga	caaacttcat	gtaccagggt	5040
gataccctaa	aagatatggt	gctggagctt	gaagaacagc	tggtggaatc	taggcggcag	5100
tacgaagaga	aaaacaaagt	aagcattagt	atgatacaga	atgttaacaa	taggctgcgt	5160
gcagtggtccc	atgcctgtaa	ttctggtact	ttgggaggcc	aagggtgggag	gattacttga	5220
gccaagagt	tcgagaccag	cctgggcaac	atggcgagac	atcatttcta	aaaagaatta	5280
aaacaattag	ccagtggtga	catggctgta	gtcccagcta	cttggaagc	tgaggtggga	5340
ggatcacttg	agcctggaag	gttgaggctg	cagtgaagctg	tggtgacacc	actgcactcc	5400
agcttgggca	acagagaaga	cactgtctca	aaaaaaaaaa	aaaaaaaaagg	gaatgctacg	5460
gtgtgtgtgt	gtgtgtgtgt	atgtatgtat	gtatgtgtgtg	atatatcgtg	tgtatgtatg	5520
tatatataat	gtataattta	cattatgtat	ttttatattt	ttaaacaatg	gctctccgct	5580
tatccaggaa	atccaaactc	tgagaataaa	agtaccatac	tctttgccaa	gtgacttgaa	5640
atattgatac	gtataatttc	aacatgtaaa	ctgaagacag	ttttctagga	gaacatctaa	5700
gctaaaagca	aaaccatgaa	aaaacatacc	tataaagagc	caccatgctc	agataagggtg	5760
cgatcagatg	cttcaagatt	ttcctattca	tatgtatttt	ctgattttta	ttttgttctc	5820
tctcaacacc	atagggaaat	agttatgagt	atcaaagatt	ttaagaaaat	tatattattt	5880
tctgctgatt	gggaaaagac	acagttactc	tacttaagaa	ttaaatatat	caccaagctc	5940
agagagagag	atagtcttat	ctgagctttc	attaggaacc	actggaacta	gtttgttaat	6000
agctgagatc	agatataatt	tctattgaga	gtctcaagca	tgagtcatgt	gttaagataa	6060
gtaattgacag	cggactgatt	ccacgaaggc	tgggtcttga	tggtcttttag	atagaaagca	6120
aggaataactt	ttttcatact	tttaggaatt	gtccaatttt	tcagagattc	tgagaaaaac	6180
agaaaatgta	atgtgtgagt	gtcgttgttg	ttgttgtttt	taactggcta	ttatcctcta	6240
aatccaaagg	gttaaaacca	aggtaccctt	gacaaccttc	aggcctgctt	cttcgactgc	6300
tatagaattg	agttggaagc	tgaagaacat	tttacgcaca	aagttcctta	tagctgaact	6360
ctgcaagagg	ggagcttttc	acaagactga	tgtcatgtgg	gaacggagga	gtggagagca	6420
cagcccagcc	ccccttcggg	tgggggcctg	taatgcatat	gcattcctcc	tggaatgctg	6480

T02T60" 2805660

tcatttaggca	tcattcagtg	gactgaaaac	tcccagagtct	cactccagag	aagctggatg	6540
gtgctagaat	gctgtcccga	gatggacaca	ggggccatgc	aaagccccac	aggagggccc	6600
ttgtcatagc	caggaggcca	ccagccaccc	ccaagctaaa	ggaagtgggc	gaacagaagt	6660
gccagggtga	gcagaagctc	aggccagatc	ccatctcaga	tcacccgcct	gacagggtcta	6720
gggaaggagc	gtcctgcagg	cctgtaagct	gtcagcaaag	tgagttgggt	ctcaggccgt	6780
caccagggat	tgcgtgctg	tgactgggca	ggaacacagc	agagccgagc	tgccagcttc	6840
ctgggctgag	cctcagggtg	ggaggccagg	cctgaggagc	agctaggttt	tgcaggctct	6900
ccatttgctc	ccccaaactc	tcctgttttt	gtctcttaag	gggcagccct	gaagcacaga	6960
gctggccacc	agctgttcat	gagagatgct	ttagtaggcc	atgtttatct	cctttttatc	7020
ccaaagagtt	ttccttgctc	tatttcagca	ggggccattt	tatggtaagt	ccttgcaggg	7080
cagcctcacc	caggctctca	gcacagtgtc	gtggaagaca	ccaggctccc	tggggggggc	7140
cttcgtcggc	ctttgcttca	ctgtagataa	gaaatcagaa	aatccttggt	gattgcatca	7200
actcctcagg	ttaatttgac	agtaagtcac	caggcatcat	ctataaagtc	cagaggaatc	7260
tgtttgtgtt	gtttgaaagg	gcttgaaggc	cagggtgcagt	ggctcatgcc	tgtaatccca	7320
acactttggg	aggctggggc	agggtgatcg	cttgagggtca	agagtttgag	accagtttgg	7380
ccaacatggg	gaaacccgat	ctctaccaa	aatagaaaaa	ttagccgggc	atggaggcag	7440
gcgcctgtat	tcccagctac	ttgggaggct	gaggcagcag	aatcgcttga	acccaggagg	7500
cagaggttgc	agttagctga	gatcgcacca	ctgtactcca	gcctggacaa	cagagcaaga	7560
ctccatctca	aaaaaatata	taaataaaaa	ataaaataaa	agaccttgaa	gattgtgatg	7620
atgtagtagc	agggtgattt	ttccacagaa	actataaatc	gtgagagcct	gaactggcat	7680
gccagaaaca	tgggattcca	ctgctttagt	gctgtttttc	tcctttacag	gaatttgaaa	7740
gggaaaaaca	cgcccacagt	atactgcaat	ttcagtttgc	tgaagtcaag	gaggccctga	7800
agcaaaagag						7809

&lt;210&gt; 2087

&lt;211&gt; 1015

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2087

cttcttttgg	ttaatgcagg	atcaccagac	tctgtggccc	acgacctgtt	tttgtgtagc	60
ccataagaca	taccttttcta	agtactatag	ctgaaaaaca	tcaaaagagt	agtaatatatt	120
tgtgacatgt	gaaaattata	tgaaattcaa	atttctgtct	gtaaacctca	ctggaacaca	180
gccatgctca	ttcgtttgta	tatgggtctgt	ggctgctttc	tccttacaac	ggtagaattg	240
aacagttgca	tcagagacct	tatggcctgc	tagggccagaa	atgttaagcc	ctttacagag	300
aaagcttgct	ggctcctgtt	taatgcttta	actgccctac	tgaaaggcag	gagggtgaaa	360
aaatgatggg	agtcaaaaagg	aatgcatgaa	atcctgttgt	cttctgttag	ctgattgcaa	420
gtagtacaca	ggatatattt	gagacatctc	ttttcctatc	tcccaccaa	ggataattca	480
ggcggatctc	agtgcacagg	cacaggcatt	tgcctcatcc	ttgttttgct	tgttttgaat	540
ttagttatgg	gaatatattt	atatctctca	aaaatagggg	atctgggtgtg	agtcagaatg	600
attatagaac	atgcttgctc	ggagaacagg	aaatgcggga	tccactcctg	gtgtgctgtt	660
agctgaagga	cgtcagaact	gtcctttaac	ctccctgcag	gtctctaaat	ggtaggattg	720
tttggggatt	acactagatc	atctctaggc	accgttcagc	tcagtagaga	cattgctgca	780
tggtggaagg	agtgcactca	gtgtgaatcc	tggttctgtc	cctttctgcc	caggagacct	840
tgagcagctt	atctaaatgc	tgtgtgcctt	tgttagctca	cttgaaaatg	tggctgtaag	900
aatgacctca	tgagaatgga	ctgagatcat	attcttataa	ctcttggcac	taataggtat	960
ttaatctact	ataactgtga	aaattatgtc	tgtgaactct	tttttttttt	ttttt	1015

&lt;210&gt; 2088

&lt;211&gt; 1015

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2088

cttcttttgg	ttaatgcagg	atcaccagac	tctgtggccc	acgacctgtt	tttgtgtagc	60
ccataagaca	taccttttcta	agtactatag	ctgaaaaaca	tcaaaagagt	agtaatatatt	120
tgtgacatgt	gaaaattata	tgaaattcaa	atttctgtct	gtaaacctca	ctggaacaca	180
gccatgctca	ttcgtttgta	tatgggtctgt	ggctgctttc	tccttacaac	ggtagaattg	240
aacagttgca	tcagagacct	tatggcctgc	tagggccagaa	atgttaagcc	ctttacagag	300

```

aaagcttgct ggctcctggt taatgcttta actgccctac tgaaaggcag gaggttgaaa 360
aaatgatggt agtcaaaagg aatgcatgaa atcctgttgt cttctgttag ctgattgcaa 420
gtagtacaca ggatatatatt gagacatctc ttttcctatc tcccaccaa ggataattca 480
ggcggatctc agtgcacagg cacaggcatt tgcctcattc ttgttttgct tgttttgaat 540
ttagttatgg gaatatattta atatctctca aaaatagggt atctgggtgtg agtcagaatg 600
attatagaac atgcttgccct ggagaacagg aaatgcggga tccactcctg gtgtgctggt 660
agctgaagga cgtcagaact gtcctttaac ctccctgcag gtctctaaat ggtaggattg 720
tttggggatt acactagatc atctctaggc accgttcagc tcagtagaga cattgctgca 780
tgggtggaagg agtgacctca gtgtgaatcc tggttctgtc cctttctgcc caggagacct 840
tgagcagctt atctaaatgc tgtgtgccct tgtagctca tctgaaaatg tggctgtaag 900
aatgacctca tgagaatgga ctgagatcat attcttaaaa ctcttggcac taataggat 960
ttaatctact ataactgtga aaattatgtc tgtgaactct tttttttttt ttttt 1015

```

<210> 2089  
 <211> 130  
 <212> DNA  
 <213> Homo sapiens

```

<400> 2089
tgagacggag tttcgctctt gttgccaga ctggagtgc gtggcatgat ctgggtcac 60
tgcaacctct gcctcccagg ttcaagcaat tctcctgct cagcctcctg agtagctggg 120
attacaggca 130

```

<210> 2090  
 <211> 527  
 <212> DNA  
 <213> Homo sapiens

```

<400> 2090
gttcctttta aagccagctt ttctactaga atcaacatta tttgaattac atgcaattat 60
atgagatcat atcaatgcat aggaagctag acatgtatta gattgtggtt aagggcatac 120
gctttggagc catataatat agctgtggtt caaagcctgg ctttgccatt tacttactag 180
ctgtgtatga tcttggcctt ccatttcctc ctgggaatga taataatact tgctgtgaag 240
attaaatgaa attacccatg tgaaatgctt agcatggtac ctaagtagtg ccactctaaa 300
gtttcatggc ctccctactct ctggacacat acctatcctc tgtctgctag aactcctcac 360
ttccctgttc tcctaaactta cttatccttc agagcccagt tcaagggacg tcttcatgaa 420
gtcccccttg cccagccct gtgcttcac agggcctgtg cagcctctc tctgcttccc 480
actgtgtgcg ggcctacact cctcctttta ttgtgcttca ctttctt 527

```

<210> 2091  
 <211> 2075  
 <212> DNA  
 <213> Homo sapiens

```

<400> 2091
agcaaactga atcagagaag gtgagtggca aagcccatgt agctgggtggc attactagaa 60
cttagcactg tgatgcacaa aggccttaact gggtttgcca gcaaggtct catggatact 120
ctttaagatg tagggccaga tctcttagta gtgaatccct gatgttccct ctcttggggc 180
tctggtttag caaggacagc gaggatactt tctctctctc ctccctcctta ctctctctta 240
ctaaggatta aggagccacc tcttccctcct taaggccttt gggagagatg ggtctcctgg 300
tattagaaag gagagcagac gcctagagtt ctgacctctt gggcctcccc taaacaaaaa 360
gcatagcccc ttcactaccc tagtaacaag tatgacctgt tgctgttga ggtcaggtgt 420
acctgtgtgt ctctctctgt gatgtatgtg ggcttggtgt ccacatcaat gtgcgtgaat 480
actcctacc acagactgct actgtgcca tatagaggtt cataagaaag ataaaagaga 540
accagcagaa cccaggttc tgctctcct tctcctctt gccagataa aggtgtacag 600
tgtttgtggt gaggtgctg gacactgctg ttttgggctt tctagagaga atgcaaact 660
gcaaaaacag tgtggtatg taggcagaac aagatctaga atcagaagac ctggagtcga 720
atctcagctc caacaccac tggatgaacg tggacaagct gcttgatctc tcagatcctc 780

```

gatttcttca	tctgtaagat	ggaacaata	tgtgtctttt	ctaaggggaa	agatcaaagt	840
acatcatgta	tgtgaaaatg	cttagaaatg	ggtgatgatg	atgatgatga	tactgattat	900
tagggatatct	aataaaagttg	gggaaagaac	aaaatcccc	cctcacaccc	tattgcacca	960
ccagccttct	ccctccctgc	tcaattatac	ccatgttata	gggaaggaaa	tagggaagaa	1020
acttgtctaa	ggtcacatgg	atgttcgcaa	caattgggat	gcagaacttg	atctgactcc	1080
caggccaggt	ttgattttga	tttgcagtg	cagagaggac	taatttttta	ctaggttctg	1140
agccctgtac	tgaactctgg	attgccctgt	acttgggtgt	ggtatacagt	tcagcagttt	1200
ttagcatata	cacgaatttg	tgcagccata	accactatg	aattctagaa	cattttttatc	1260
acccccaaaa	gaaatcatgt	acccatttgc	agtcacttgc	cattccctct	tctcccagc	1320
ctctgggaac	cactgaccta	ccttatatct	ctatgaattt	gcctaactctg	gacattttcat	1380
ataaatgc	ttgtacatgt	ggccttttgt	ttctggcttc	tttcaacttag	catgttttca	1440
aggttcattt	gtgctgtagc	atttatcagt	actttgttcc	tttttctagc	tgagtaacgt	1500
gtgggtatat	cacattttgt	ttattcatct	gttgagggat	gtttgggttg	tttctacttt	1560
ttgactattg	tgattagtgc	tgctatgaac	attgatgtac	agatttttgt	gtagatatgt	1620
tttcaattat	cttggggcat	cttttatttt	taatgtcagt	tttctatttt	taaaaaatct	1680
agacaggttg	gcaaattcatt	tctgtaaaga	gtcagtaaat	attttagcct	ttgtgggtcca	1740
tgacattagg	tatacagatt	acaatttctg	aactctgcc	ttccagttga	agagcagcca	1800
tagataatat	gtaaacaaat	gagcatggct	atgtttccaa	aaaactttta	aaagcagggg	1860
gacagattgg	gctctgggac	catagtatac	caacccttaa	tctaaatgac	acattcacat	1920
gatacattat	tctaaaggca	caaaaagcaa	aaattctccc	tcccacctct	gtcttccagc	1980
tacggggtta	ccttccttga	agcagttaat	gttatgagat	tttgtgtctc	cttttagaca	2040
cagttaataa	tgagcattaa	agtggtctata	tacta			2075

<400>	2092						
agcaaaactga	atcagagaag	gtgagtgcca	aagcccatgt	agctggtggc	attactagaa		60
cttagcactg	tgatgcacaa	aggcttaact	gggtttggca	gcaagggctc	catggatact		120
ctttaagatg	tagggcccaga	tctcttagta	gtgaatccct	gatgttccct	ctcttggggc		180
tctggtttag	caaggacagc	gaggataact	tctctctctc	ctcctctcta	ctcctctcta		240
ctaaggatta	aggagccacc	tcttctctct	taaggccttt	gggagagatg	ggtctccttg		300
tattagaaag	gagacgacac	gcctagagtt	ctgacctctt	gggcctcccc	taaacaaaaa		360
gcatagcccc	ctgactaccc	tagtaacaag	tatgacctgt	tgctgttgga	ggtcaggtgt		420
acctgtgtgt	ctctctctgt	gatgtatgtg	ggcttgggtg	ccacatcaat	gtgcgtgaat		480
actcctaccc	acagactgct	actgtgccaa	tatagagggt	cataagaaag	ataaaagaga		540
accagcagaa	ccccaggttc	tgctctctct	tcttcccttt	gccagataa	aggtgtacag		600
tgtttgtggt	gaggctgctg	gacactgctg	ttttgggctt	tctagagaga	atgcaaacta		660
gcaaaaacag	tgtggtagtg	taggcagaac	aagatctaga	atcagaagac	ctggagtcga		720
atctcagctc	caacaccac	tggatgaacg	tggacaagct	gcttgatctc	tcagatcctc		780
gatttcttca	tctgtaaagt	ggaaacaata	tgtgtctttt	ctaaggggaa	agatcaaattg		840
acatcatgta	tgtgaaaatg	cttagaaaatg	ggtgatgatg	atgatgatga	tactgattat		900
tagggtatct	aataaagtgt	gggaaaagaac	aaaatcccc	cctcacaccc	tattgcacca		960
ccagccttct	ccctccctgc	tcaattatac	ccatgttata	gggaaggaaa	tagggaagaa		1020
acttgtctaa	ggtcacatgg	atgttcgcaa	caattgggat	gcagaacttg	atctgactcc		1080
caggccaggt	ttgattttga	tttgcaagtg	cagagaggac	taatttttta	ctaggttctg		1140
agccctgtac	tgaactctgg	attgccctgt	acttgggtgt	ggtatacagt	tcagcagttt		1200
ttagcatata	cacgaatttg	tgcagccata	accactatct	aattctagaa	catttttatc		1260
acccccaaaa	gaaatcatgt	accattttgc	agtcacttgc	cattccctct	tctccccagc		1320
cctgggaaac	cactgaccta	ccttatatct	ctatgaattt	gcctaatactg	gacatttcat		1380
ataaatgcaa	ttgtacatgt	ggccttttgt	ttctggcttc	tttcaacttag	catgttttca		1440
agggttcattt	gtgctgtagc	atttatcagt	actttgttcc	tttttctagc	tgagtaacgt		1500
gtgggtatat	cacattttgt	ttattcatct	gttgagggat	gtttggggtg	tttctacttt		1560
ttgactattg	tgattagtgc	tgctatgaac	attgatgtac	agattttttg	gtagatatgt		1620
tttcaattat	cttggggcat	cttttatttt	taatgtcagt	tttctatttt	taaaaaatct		1680
agacaggttg	gcaaatcatt	tctgtaaaaga	gtcagtaaat	attttagcct	ttgtgggtcca		1740
tgacattagg	tataacgatt	acaattttctg	aactctgcca	ttccagtgtg	agagcagcca		1800
tgataaatat	gtaaacaaat	gagcatggct	atgttccaat	aaaactttta	aaaagcaggg		1860

gacagattgg	gcctgtggac	catagtatac	caacccttaa	tctaaatgac	acattcacat	1920
gatacattat	tctaaaggca	caaaaagcaa	aaattctccc	ttccacctct	gtcttccagc	1980
tacgggggta	ccttccttga	agcagttaat	gttatgagat	tttgtgtctc	cttttagaca	2040
cagttaataa	tgagcattaa	agtggctata	tacta			2075

<210> 2093  
 <211> 478  
 <212> DNA  
 <213> Homo sapiens

<400> 2093						
actgggaaca	gcaggaaagg	gcaaggtggt	gacaatctaa	gggaggcaaa	tggataataa	60
ccagcatggt	agggaaatctt	ctttgttgct	gtggcactgt	cgatctctgt	tccctgaact	120
ctagtgtcct	ccagactaga	tttaagggtgt	ggttccccgc	taaattattc	tctcacctcc	180
tttcagtctt	tgctcaaaca	tccttttatc	agagaggcctt	tctgacatcc	tgtgcaagat	240
agcacctctc	ccccatcgct	gttatcctta	cccagtttaa	ttccacgtag	catctgccaa	300
cgcttgacat	atctgttttt	tgtttacttt	ctggcctgtg	acaactagaa	tataagctct	360
gtgagagcat	ttttctctta	actgcttatc	ttcaagtaaa	cagaacagtg	cctgtcctgt	420
aggaagtgtt	tgatacatat	agattgctca	aatgaaaaaa	gaagggtgcg	agcaagcc	478

<210> 2094  
 <211> 1011  
 <212> DNA  
 <213> Homo sapiens

<400> 2094						
agtccttgag	gaacagaacc	ctaaaagaga	gaacacctgc	ctaactctgac	tcctccatca	60
gaataatctt	ttgaactcct	gagatttgcc	cagtcatttt	ggggccatgt	ctgatgaaag	120
cttggtgac	ccttttgggt	caaaaacaag	ctctgactga	agagatgcaa	gattttctca	180
gatgatgtgt	gtgtcagtc	gagttccgcc	agagaaacac	aaccagtagg	atatattcta	240
tcttgtctgt	cttcataatc	atgtatctgt	catctaccta	gatttaatgc	aaggaattgg	300
tttatgcagt	tgtaggggct	ggctaggcaa	atccaaaatc	cacagggcag	gccgtgtgga	360
agggaggtct	ggaaactctc	agacaagacc	tgacattgca	gtccactggt	ggaatttctc	420
cttcttcagg	gaaacctcag	ctttcaacgg	agtggatcag	acccaacct	attatccagg	480
ataatctcct	ttacataaag	ttaactgatt	gtagatgtaa	attacattta	caagatacct	540
tcatagcaac	acctagggtca	gtttttgaat	aactgggtat	tatagcatag	ccaggtcaac	600
acgtaaaatt	gatcaccaca	gtccatgtct	tgtaaacttg	gcacctgtac	acatttcctt	660
aaaccattta	atctcccaat	aaagacaata	acaaagtaaa	acttctgcct	atcatgacac	720
agctaactctg	tgtacaactg	aaaatatgct	cttttctctg	gagagaattc	acagtccttg	780
actggtgttc	acttttatcc	ttgataatcc	agtaacttta	ataatattat	gtaaatgtag	840
ctattttaat	aaattttatg	ttagatgaca	aggggataag	agagggaaga	aaaaatacat	900
aaacacaaac	atccataaca	aaacaatgaa	tactcataat	aattatagta	ctaacttctg	960
caactgttca	catgatgtgt	tttataacta	ccggtgttac	aaaattactg	g	1011

<210> 2095  
 <211> 478  
 <212> DNA  
 <213> Homo sapiens

<400> 2095						
actgggaaca	gcaggaaagg	gcaaggtggt	gacaatctaa	gggaggcaaa	tggataataa	60
ccagcatggt	agggaaatctt	ctttgttgct	gtggcactgt	cgatctctgt	tccctgaact	120
ctagtgtcct	ccagactaga	tttaagggtgt	ggttccccgc	taaattattc	tctcacctcc	180
tttcagtctt	tgctcaaaca	tccttttatc	agagaggcctt	tctgacatcc	tgtgcaagat	240
agcacctctc	ccccatcgct	gttatcctta	cccagtttaa	ttccacgtag	catctgccaa	300
cgcttgacat	atctgttttt	tgtttacttt	ctggcctgtg	acaactagaa	tataagctct	360
gtgagagcat	ttttctctta	actgcttatc	ttcaagtaaa	cagaacagtg	cctgtcctgt	420
aggaagtgtt	tgatacatat	agattgctca	aatgaaaaaa	gaagggtgcg	agcaagcc	478

<210> 2096  
 <211> 1011  
 <212> DNA  
 <213> Homo sapiens

<400> 2096  
 agtccttgag gaacagaacc ctaaaagaga gaacacctgc ctaatctgac tcctccatca 60  
 gaataatcct ttgaactcct gagatttgcc cagtcatttt ggggccatgt ctgatgaaag 120  
 cttggtgac ccttttgggt caaaaacaag ctctgactga agagatgcaa gattttctca 180  
 gatgatttgt gtgtcagtc gagttccgcc agagaaacac aaccagtagg atatatctca 240  
 tcttgtctgt cttcatatcc atgtatctgt catctaccta gatttaatgc aaggaattgg 300  
 tttatgcagt ttagggggct ggctaggcaa atccaaaatc cacagggcag gccgtgtgga 360  
 agggaggtct ggaaactctc agacaagacc tgacattgca gtccactggt ggaatttctc 420  
 cttcttcagg gaaacctcag ctttcaacgg agtggatcag acccaaccat attatccagg 480  
 ataatctcct ttacataaag ttaactgatt gtagatgtaa attacattta caagatacct 540  
 tcatagcaac acctagggtca gtttttgaat aactgggtat tatagcatag ccagggtcaac 600  
 acgtaaaatt gatcaccaca gtccatgtct tgttaacttg gcacctgtac acatttcctt 660  
 aaaccattta atctcccaat aaagacaata acaagtaaa acttctgcct atcatgacac 720  
 agctaactcg tgtacaactg aaaatatgct cttttcctgg gagagaattc acagtccttg 780  
 actggtgttc acttttatcc ttgataatcc agtaacttta ataattattat gtaaattgtag 840  
 ctattttaat aaattttatg ttagatgaca aggggataag agagggaaga aaaaatacat 900  
 aaacacaaac attcataaca aaacaatgaa tactcataat aattatagta ctaacttctg 960  
 caactgttca catgatgtgt tttataacta ccggtgttac aaaattactg g 1011

<210> 2097  
 <211> 981  
 <212> DNA  
 <213> Homo sapiens

<400> 2097  
 ataacttcga tgtactggac ttgcatttcc acttccgcc a cgcgagggag aacctgcact 60  
 gggacggggt gcaactggaat ggacgtgtgc accgctgcct ctcccagctg ctgctggccc 120  
 acgtggccga cgctgggggt gtggagctgc cccaccgcc ccccggtggc gagtggatca 180  
 agaagaaaaa acctggcccc agagtccaag ggccgcccca ggccaacaga aatcaccgg 240  
 ccttacctct gtccccaccc ttacctccc ccacataccg cccctgctt gggttcccac 300  
 ccagcgctt gccgctgctc ccgctcctgt cccacagcc tcctcctccc attctccatc 360  
 accagggat gccccggttc ccacagggtc cccagatgc ctgtttttcc tcagaccata 420  
 ctttccagtc ggatcaattc tattgccatt cagatgtccc ctcatcagcc catgcagggt 480  
 tcttcgtcga agacaatttt atggttggtc ctgagctgcc tatgcccttc ttccccacac 540  
 cccgttatca gcggcctgcc ccagtggtag ataggggttt tggcaggtat cgtccccgtg 600  
 gccctatac gccctgggga cagcggcctc gaccttcaaa gagaagggcc ccagccaatc 660  
 ctgagccaag gcctcaatag acggacctag gccttatttc ctctttatga acatggattg 720  
 gacagatctg acacttcctt tccattgctt ggccgaaca gactgacctt gttaacttaa 780  
 gcctggagtc catgcctcgt ctctctttt ttctattgct ttaccaagaa agccaaggaa 840  
 gagcagcctg actcattctt cttggctgca gcctcttccc cacttctctg gaggtagcca 900  
 gcgttattcc tgcctcctca ctctattct ctttgccttt gtgtaaaaat aaaatggaaa 960  
 taaacaagtt gcacagaagt a 981

<210> 2098  
 <211> 981  
 <212> DNA  
 <213> Homo sapiens

<400> 2098  
 ataacttcga tgtactggac ttgcatttcc acttccgcc a cgcgagggag aacctgcact 60  
 gggacggggt gcaactggaat ggacgtgtgc accgctgcct ctcccagctg ctgctggccc 120  
 acgtggccga cgctgggggt gtggagctgc cccaccgcc ccccggtggc gagtggatca 180

agaagaaaaa	acctggcccg	agagtcgaag	ggccgcccc	ggccaacaga	aatcaccg	240
ccttacctct	gtccccaccc	ttaccttccc	ccacataccg	ccccctgctt	gggttcccac	300
cccagcgctt	gccgctgctc	ccgctcctgt	ccccacagcc	tcctcctccc	attctccatc	360
accaggggaat	gccccgggtc	ccacaggggtc	ccccagatgc	ctgtttttcc	tcagaccata	420
ctttccagtc	ggatcaattc	tattgccatt	cagatgtccc	ctcatcagcc	catgcagggt	480
tcttcgtcga	agacaatttt	atgggtgggc	ctcagctgcc	tatgcccttc	ttccccacac	540
cccgttatca	gcggcctgcc	ccagtgggtac	ataggggttt	tggcagggtat	cgccccgtg	600
gccccctatac	gccctgggga	cagcggcctc	gaccttcaaa	gagaagggcc	ccagccaatc	660
ctgagccaag	gcctcaatag	acggacctag	gccttatttc	ctctttatga	acatggattg	720
gacagatctg	acacttcctt	tccattgctt	ggcctgaaca	gactgacctt	gttaacttaa	780
gcctggagtc	catgcctcgt	cttctctttg	ttcattgctg	ttaccaagaa	agccaaggaa	840
gagcagcctg	actcattctt	cttggctgca	gcctcttccc	cacttcctgg	gagtgaccca	900
gcgttattcc	tgctctctca	ctcctattct	ctttgccttt	gtgtaaaaaat	aaaatggaaa	960
taaacaagtt	gcacagaagt	a				981

<210> 2099  
 <211> 984  
 <212> DNA  
 <213> Homo sapiens

<400> 2099						
gtggcatagc	gctaaccaaa	tccacttagg	cttctgggct	gcctccaggc	tcttggctag	60
gcattctgct	agcactctca	tccctgggga	gggtggatca	tacttggctc	ctccccacca	120
gggtggaacct	gagcctccaa	cagcagcctc	agggtcattca	taggtcaagc	cccaggcctg	180
aactgccact	agacaaggct	tttggctccc	ttcctgcctt	ctcgccaatc	tcccagggtcc	240
gggcttggtg	gagcctgtta	tgcgggcact	ccagggtccac	tccttcaggg	cagaggccac	300
agcgccatcc	ccttccccat	ggtctcccta	cccccaacct	gactggggcg	ctccgcccag	360
agggtgagtc	ctcccagccc	ttctctcctt	ctgtcctagc	catccgcaga	gccatcctgt	420
gcaaagggaag	gagctaggct	gtgcgcctcg	ggcgctcatga	tccttctgcy	ggcctccgaa	480
gtgcggcagc	tgcttcacaa	taagtctctg	gtcatcctgg	gggactctgt	gcatagggca	540
gtatacaagg	acctggtgct	tctgctgcag	aaggaccgcc	tgctcactcc	cgggcagctt	600
agagcaaggg	gggagctgaa	cttcgaacaa	gatgagctgg	tggaaggagg	ccagcggggc	660
cacatgcaca	acggccttaa	ctaccgtgag	gtccgcgagt	tccgctccga	ccaccatctg	720
gtacgttttt	acttcctcac	ccgcgtgtac	tccgattacc	tccagaccat	cttgaaagag	780
ctgcagtcgg	gcgagcacgc	ccccgacctg	gtcatcatga	attcctgcct	ctgggacatc	840
tccagggtatg	gtccgaactc	ctggagaagc	tacctggaga	acctggagaa	cctgttccag	900
tgcttggggc	agggtgctgc	cgagtccttg	ctcctgggtg	ggaacacggc	catgcctgtg	960
ggcgagggaag	tcaccggggg	tttt				984

<210> 2100  
 <211> 118  
 <212> DNA  
 <213> Homo sapiens

<400> 2100						
cctcagcctc	ccgagtagct	gggattacag	gcatgcacca	ccacgcctgg	ctaattttgt	60
atttttagta	gagacgaggt	ttctccgtgt	tggtcaggct	gggtctgaac	tcctgacc	118

<210> 2101  
 <211> 984  
 <212> DNA  
 <213> Homo sapiens

<400> 2101						
gtggcatagc	gctaaccaaa	tccacttagg	cttctgggct	gcctccaggc	tcttggctag	60
gcattctgct	agcactctca	tccctgggga	gggtggatca	tacttggctc	ctccccacca	120
gggtggaacct	gagcctccaa	cagcagcctc	agggtcattca	taggtcaagc	cccaggcctg	180
aactgccact	agacaaggct	tttggctccc	ttcctgcctt	ctcgccaatc	tcccagggtcc	240

```

gggcttgggtg gagcctgtta tgcggggcact ccaggtccac tccctcaggg cagaggccac 300
agcgccatcc ccttcccat ggtctcccta ccccaacct gcactgggcg ctccgccag 360
aggtgagtc cttccagccc ttctctcctt ctgtcctagc catccgcaga gccatcctgt 420
gcaaaggaag gagctaggct gtgcgccctg gggtcatga tcttctgcg ggctccgaa 480
gtgcggcagc tgcttcacaa taagtctgtg gtcaccttg gggactctgt gcatagggca 540
gtatacaagg acctggtgct tctgctgcag aaggaccgcc tgctcactcc cgggcagctt 600
agagcaaggg gggagctgaa cttcgaacaa gatgagctgg tggacggagg ccagcggggc 660
cacatgcaca acggccttaa ctaccgtgag gtccgcgagt tccgctccga ccaccatctg 720
gtacgttttt acttcctcac ccgcgtgtac tccgattacc tccagaccat cttgaaagag 780
ctgcagtcgg gcgagcacgc ccccgacctg gtcacatga attcctgcct ctgggacatc 840
tccaggtatg gtccgaactc ctggagaagc tacctggaga acctggagaa cctgttccag 900
tgcctggggc aggtgctgcc cgagtccttg ctctggtgt ggaacacggc catgcctgtg 960
ggcgaggaag tcaccggggg tttt 984

```

```

<210> 2102
<211> 173
<212> DNA
<213> Homo sapiens

```

```

<400> 2102
cattagcagc ttttaatcca ctaaaaaaac aagagtcttg gagaatggga cctttatctt 60
atctctgtgt ctcaaactct agcacaacgc ctggcactta ataaatactg aatagcattt 120
ctggatgaat caacgagtga atgaagagat ggcttataaa taaatatttc tga 173

```

```

<210> 2103
<211> 5033
<212> DNA
<213> Homo sapiens

```

```

<400> 2103
cgcagaacca ggaaagtaac ggctacagac agtgagaaat agtttcgctc gccggctaga 60
aaaactctgt cggtaccaaac ccagagcgt tgagagcagc ccacctccac gcttccttaa 120
cggagagggt caggactcag acttcaccag cccactcgtt cccagccttg tacgcaaaga 180
gacgccaagg acgcgctctc ccgcgtccag gcagccccag cttgctgggt tgctgccc 240
cctgcgtgca gcactcggcc ggcgctgcag atgacctgt ggaacggcgt actgcctttt 300
taccgccagc cccggcatgc cgcaggcttc agcgttccac tgctcatcgt tattctagt 360
tttttggtc tagcagcaag cttoctgctc atcttgccgg ggatccgtgg ccaactcggta 420
aggggtgtct catagtgcag gtagagtggg ggaaggctca tgggcagatt gtctcctgag 480
ggaccagga caggtaagac tgtacaagag cctccatgaa tagtcgaatt gaggtcagg 540
tggagtgaag tcaggagtct ggtgcagcaa gcacctttt ccaaggatag ggagagctcc 600
ccatccagga tatctggag aaggaccca gctgggtcct tgggaaggct gctgcagaga 660
atgggcaccc agtccagtaa tcctgaggaa cagtataggc ttcttggtgt ggagggcctc 720
ccacctctcc caggactaaa gctgcaactc catcccatcc ggtgggtgat gaccttcagg 780
ccaaaaggac agatgccagc agctcagact gcagtgttcc cctttgcact gggttgagac 840
acatgtgtat ggggtgcctc tcctcaggac tgagactccc acattggatt agaagttgga 900
gccaaactggg tgcatgtct tagactttcc cctctccca gaacctagg tgtgcatttt 960
tcagttctgg gaggaccag cttttctgca tcttaatctg tgttgctttc cctggaactg 1020
gtgcacctag gagtatctgc attcccacct cctcccctcg gagatcaggc tggggcctcc 1080
ctcttctgag ggaggtgacc cctgcgtgcc tagcacttct ggactcactg agcctacca 1140
agcagtgact ggaccaggag gcagaaccag gaccaggcgc cagacagcta ggggagtga 1200
ggtggtggaa gagtgccagg aagtgggggt ggaggggagg tgctgttagg gtagatggga 1260
aatggggcta gggaggtgaa agtgctggt caaaaatat cagaaatgcc agtagcccag 1320
agggacttgc aggaaaagcg tgcctaacct tagtctcaaa agtctggata taactaaaga 1380
tccaggtgaa gtgggtcaa ggtggtcctt ggggactctg gtttggcagg gctcaggcct 1440
gacccgggtg cctattcctg cagcgtggt tttggttgg gagagttctt ctcagtctgt 1500
tcataggcgc agaaattgtg ggtgagtgtg tggtcagcc catggggaga ggacggggtg 1560
aggaaggagg tgggcagagg gcacctggga caatagggaa ctgggggttg tttctgctc 1620
cctcttccca ctctccagct cctctaggg cccacttttt ggcccttacc atgcaaccac 1680
attggacctc taagtccca tctctctgca gtgtcccacc tcccatacca ctctctaatt 1740

```

F02T60" 22005650

ccattttccc	accctcatcc	cacccccacc	gtgtgccttt	ccctacagct	gtgcacttca	1800
gtgcagaatg	gttcgtgggt	acagtgaaca	ccaacacatc	ctacaaagcc	ttcagcgcag	1860
cgcgcgttac	agcccgtgtc	cgtctgctcg	tgggcctgga	gggcattaat	attacactca	1920
caggtgaggg	ggctggggct	aatgaactc	ctggagctgg	gagatccccg	gttaggtgag	1980
tgtgtcaggg	atagctggag	ggcctctcac	atcccacaag	ctcaaatagc	ttgtggtcct	2040
cgtggatttg	cgtttttctc	aaccaccacc	gaaccattt	ctcccgccga	gagcgccaca	2100
ccccactttt	cctgtctgaa	tccgcttagt	tgcgaggtct	ccgaccgcgg	gcagccccat	2160
gagcccgcct	caccccacag	ggaccccagt	gcatacagctg	aacgagacca	ttgactacaa	2220
cgagcagttc	acctggcgct	tgaagagaa	ttacgccgcg	gagtacgcga	acgcactgga	2280
gaaggggctg	ccggaccacg	tgctctacct	ggcggagaag	ttcacaccga	gtagcccttg	2340
cggcctgtac	caccagtacc	acctggcggg	acatacgcg	tcggccacgc	tatggttaagt	2400
gctggagggg	aggctgtgtg	cacgtgtgtg	tgtgccagga	gctgggccgt	atgagcggga	2460
ggatgcaggc	ctcggaggcg	ctgagcagct	gcagccagac	ccgacgcgct	cggggtgggc	2520
atgacagcct	cgcgggttag	aagatccacg	agatctgcac	agacggaatc	cggagagact	2580
ccagccaccg	cctggacctc	aggagccccg	ttctcccccg	gggaattccc	ctgcaccgct	2640
gccatcccag	tccttggtct	tgacgctggg	gtagggataa	agaagagcgc	agctgtggga	2700
accccggtgg	gctgggagaa	gcccgcctac	agcgggtccc	cccactcccc	ggcaggggtg	2760
cgttctgctt	ctggctcctc	tccaacgtgc	tgctctccac	gccggccccg	ctctacggag	2820
gcctggcact	gctgaccacc	ggagccttcg	cgtctctcgg	ggtcttcgcc	ttggcctcca	2880
tctctagcgt	gccgctctgc	ccgctccgcg	taggtctctc	cgcgctcacc	actcagtacg	2940
gcgcccgtt	ctgggtcacg	ctggcaaccg	gtgaggaccg	agagaatggg	ccccgggggc	3000
taagggtgga	gacaggattc	acaccgggtg	tgcactttcc	agttttacaga	atgaattcac	3060
atctattacc	ctatttgccc	ctctcaatag	ttcgcagaaa	caggcactgt	tatgaccatt	3120
ttacagatga	aaagtggggg	gctcagaagg	gtttggtgtc	ttgccgtgtt	tcatgtaatt	3180
cagattagag	gtgtgtggcg	ggaggtaaca	caaggggtag	gctccaaaag	atggaagaag	3240
gcccgggcat	cacgcctgta	atcccagcac	tttgggaggt	cgaggcagga	aggtcgtttg	3300
aggccagagt	tcgagaccag	cctgggcaac	atagccctga	ctccacatgc	cctcctttct	3360
ttcgatcccc	accgccacag	gcgtcctgtg	cctcttctct	ggagggggcg	tggtgagtct	3420
ccagtatgtt	cggcccagcg	ctcttctgcac	ccttctggac	caaagcgcca	aggactgcag	3480
ccaggagaga	ggggggtcac	ctcttatcct	cggcgaccca	ctgcacaagc	aggccgctct	3540
cccagactta	aaatgtatca	ccactaacct	gtgaggggga	cccaatctgg	actccttccc	3600
cgccttgga	catcgcaggc	cgggaagcag	tgcccgcag	gcctggggca	ggagagctcc	3660
aggaagggca	ctgagcgcgt	ctggcgcgag	gcctcggaca	tccgcaggca	ccagggaaag	3720
tctcctgggg	cgatctgtaa	ataaaccttt	ttttcttttg	ttttttaaaa	actgtttttc	3780
ccattaatth	tcatggcttc	tccgcgcggg	ggtcgcacgt	cctcatgagc	ttcgtctggg	3840
tggagacagc	ctagtacact	ctccgcagtg	ctgtgaaacc	tgattctctg	cgtcgactcc	3900
agagtaatag	ggcgccctc	tagtgaggcc	ggagggaccc	taccagagct	agcatctttc	3960
tgaaccacc	cagggggacg	ttaggtggga	gtgatgaggc	aggtcaccca	ctccccgctc	4020
ctggatgcc	ctcagctagc	ccagctgagt	ggggtgggaa	ggaatagcgt	tttggagtgt	4080
attccctaac	ttcccacttg	gcttcttgtg	agggtggtgt	tgagggccaa	ggtaggtgtc	4140
agcaaggcat	agaaagataa	atcccaagat	tcttggaag	tcttgcaatc	ttatgtagca	4200
aatttgaggaa	ctgaagctca	aagagaatgt	ggcatagttg	gttaatgtta	gacctaggat	4260
gagaagtttg	gtttcccctc	ctttccagtg	ctgtctttca	ttgtaccaaa	aggccacaca	4320
agctggagaa	gtaaaggaag	aacaaaagga	accagggaaa	aaggaaaaca	agaggtgccg	4380
agggatgaga	ggaaaccata	ggagaatcat	atgtaacccc	caccctgctg	gtgttatggg	4440
ggtgaagtta	ggtttcagtg	aatagcatct	tgaaggagca	aggcagcacg	gaaaggctgg	4500
gttgctgtgc	agataagcta	gcccctgctt	ggccttatca	tggcaacagg	ctttatggac	4560
aggcccagca	tctcttcagt	cccttagggc	tttttggttt	gttttggttt	ttaacatcag	4620
tatatagagc	ctcctttttc	tactccgtct	gtagattggg	gctgggtgtc	tggtaacagc	4680
caccctgagg	gcagttctgc	tggttttatg	ggcgcccaat	gaggtttgga	gccagactgg	4740
aagtccaggt	ggcctccacg	gggaggaatg	ttataaagca	caatcaggat	ctttgggggtg	4800
tgctctctta	cagtatgcct	tggtggagga	agcctctgac	aggggaatgt	cctgggactt	4860
gggactgtca	gccatggacc	ggtagcgggg	gctcaggagt	ccaccttctt	caggactcca	4920
ctccagcatg	gggtcttcat	ccacactctg	gttgaagaaa	gccttcagcc	tgtgaggctg	4980
catcctgtgg	gccaccgcca	tagccaggcc	cagcagcaca	cacagcagtc	ctg	5033

&lt;210&gt; 2104

&lt;211&gt; 134

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

<400> 2104						
cccgacctgc	agcccaatat	cagcgctgat	ccactcagaa	ctgaaggcct	tgtatgatgt	60
gttggtgctg	acctggccca	cagaccactc	agaactgaaa	ttcacagctg	tggttgggga	120
gttggacata	tggg					134

<210> 2105  
 <211> 5533  
 <212> DNA  
 <213> Homo sapiens

<400> 2105						
ctacacagaa	gacccaaggc	tgcgatgctg	gataacctcaa	tttgggagct	ggagactgga	60
tatgcaggat	tgagttat	gagctgagaa	cccaagaagg	gctggcaata	gctgaaggct	120
tgagtgtgtg	ttaaattctga	gaagtggaa	cttgacctct	ctcatcacia	tggttcacct	180
cccgagccac	cccaacacac	ataccctttt	ccttacctgc	tttccacttc	cctcaggctg	240
agctccaagt	ggcacaacag	gagaaccatc	acttaaattt	ggacctgaag	gagggcgaaga	300
gctggcaaga	ggagcagagt	gctcaggctc	agcgactgaa	agacaagggtg	gcccagatga	360
aggacacctt	aggccaggcc	cagcagcggtg	tggtgagtga	ggccccttgg	caacaggaaa	420
cgggaaattc	caagggcaag	ttgtagagaa	gcctgcgtgt	ctaaagagaa	ggggagagac	480
atggctaaag	actaaacaac	acaaccccga	gtcctaattg	agtggagtgg	agggagcggt	540
tacctccctg	gctgatgaat	gattcactag	gaactctgat	ctccatctcc	tcctttctcc	600
tgaggccgag	ctggagccct	tgaaggagca	gcttcgaggg	gccaggagct	tgcagcctca	660
agccagcaga	aagccacctt	tcttggggag	gagttggcca	gtgcagcagc	agccagggac	720
cgcaccatag	ccgaactaca	ccgcagccgc	ctggaagtgg	ctgaagttaa	cggcaggctg	780
gctgagctcg	gtttgcactt	gaaggaagaa	aaatgccaat	ggagcaagga	gcgggcaggg	840
ctgctgcaga	gtgtggagggt	agagggatgg	ggggtacctg	gcaatctgat	ggccactgcc	900
cccacctctg	tggggactcc	tacatgtggt	cagacctctt	gggaggagag	aagaggggtt	960
gagaacctta	gaggacttgg	gtggagagggt	gctttgagggt	aggtacactt	tactttctag	1020
gcatgacctc	tccctaaccg	gggtatccca	atcctgatca	ccagagtacc	ttccttgga	1080
cagaaacatt	ttctgtccta	gaccccaggc	cctgccataa	tgcccattcc	tgatcaagca	1140
gcacctgccg	tcatgtcctg	tccttcattc	agaggggtata	ggaaatgaag	gcaaaaagggt	1200
gaaagtgtct	taaaaatgat	gcttttaata	aaggaaaggga	cacagtaagg	gatgggtgctg	1260
ttgacagtgg	cgttccctttt	tcttccccct	ccacctctcc	attttccttc	ttggctatct	1320
ctcaggcaga	gaaggacaag	atcctgaagc	tgagtgcaga	gatacttcga	ttggagaagg	1380
cagttcagga	ggagaggacc	caaaaaccaag	tgttcaagac	tgagctggcc	cgggagaagg	1440
attctagcct	ggtgaggcat	ccagccacca	agggctcctgt	cctatggcct	cctgaggcat	1500
ccatacccct	tctctctgtc	ttgggtatgg	gctcagaagt	gctaggtgtc	cactaccatg	1560
ttgggtggca	tttcaattgc	acacgcgaag	cctcattggt	ttgaaatgtg	catttttttc	1620
tgctctcagg	gcacacatct	gggcccagta	gaggtgactt	aggagaatta	tagagtggcc	1680
ccttggtatg	accaaggcct	ctgcacccca	gcctagagga	agtcatgcag	gtccccactc	1740
gagaggcaga	gactaagact	tagaaaactg	agtatctgtg	gccaagaca	aagtactcat	1800
ggaggaagtg	ttgggaattc	ctgtgtgtgt	gtgtcagagc	agggagaag	cagaggcatg	1860
gggagacctg	gttctagatt	gttggctcctg	gtcccagagt	ccaggttctt	ggaggtacat	1920
tctaggctcc	agattccatt	gggcccctct	ccctcaggta	cagttgtcag	aaagtaagcg	1980
ggagctgaca	gagctgcggt	cagccctgcg	tgtgtctccag	aaggaaaagg	agcagttaca	2040
ggaggagaaa	caggtgagca	cccataaccc	aggccccgtg	gatgccacag	gtgaggactt	2100
gagggctaga	aactttgtaa	attcctgtca	tctcttgggt	tagaaaactgt	tctctccaag	2160
agggcccgtg	ccctggcttc	tcttatttag	tgatttggca	ggacagcgga	tgatctctgg	2220
gagaagggag	ggatgtaagt	ggtgaagcag	gggtgctggg	gggagtgtct	gcctgaagtt	2280
gccccaatct	ttgctgaagg	catctaagtc	tgaggagcta	agagttcttc	ttgggtgcag	2340
cttctgcagg	ctagcaaggt	tggcaccttc	ccattctcta	gcacctgcct	ttttccttcc	2400
caattccagg	aattgctaga	gtacatgaga	aagctagagg	ccgccttggg	gaaggtggca	2460
gatgagaagt	ggaatgagga	tgccaccaca	gaggtagagg	aggccgctgt	ggggctgagt	2520
ccgtgtagcc	ccaatcttgt	aacacctctt	ccccactcta	cctcccgtctg	ttgaggaagg	2580
ctccatgtaa	ccttgctggg	agctgccttt	gccttctatg	tgttttgcct	tttctttcca	2640
gcacctggcc	cctgtatagt	ctaatagata	cctcatccag	aggagacagc	tggtccaact	2700
cctcacacaa	catccttttt	tcttctctgc	ctgcttcata	tcctacaggc	tgcccggcag	2760
ctctgacaga	ctcagaggac	gagtccccag	aagacatgag	gctcccaccc	tatggccttt	2820
gtgagcgtgg	agaccaggcc	tcctctcctg	ctgggcctcg	agaggcttct	ccccttagtt	2880

TOTAL "3800560"

gtcatcagcc	agccggctcc	cattttctcct	cacctctctg	ggccagctga	ggacagtagc	2940
tctgactcgg	tgagcagtg	aggagcctgt	gcagaagcag	taaggagggg	cagggccaaa	3000
cccaagtgtc	ccagcctgga	gtgcagcacg	atcttggtc	actgcagcct	ctgcctcctg	3060
ggctgaagcg	atcctccac	ctcagtctcc	caagagtagc	tgggaccaca	ggcagggcacc	3120
cccggtaat	tagagaagga	atcttagcta	tccagggctc	tctttttccc	aggggagagg	3180
aggcaggccc	agcctctctt	cagtgccaca	ccagtagata	tcatcccaaa	accagacca	3240
gccccaatagc	ctcactgctt	ctccccaca	gtcattctct	tattattcac	cagcccctca	3300
aaacgcctct	cctgcctcac	tcttccctaag	ccctcaggt	cactgtccta	gccttggtg	3360
ctcttcccat	acctgtccca	atgtgctgct	ccccatctt	gggacaccac	cccaaagccc	3420
aacctgtct	ctttggcatc	caggaggctg	aagatgagaa	gtcagtcctg	atggcagctg	3480
tgcagagtg	gggtgaggag	gccaaacttac	tgcttcctga	actgggcagt	gccttctatg	3540
acatggccag	gtgagttcaa	ccagcaaggc	caggaggag	gtgggaggag	gtcagaggga	3600
aaggcatct	gtgtggacag	tcaccaggcc	ctgctcccaa	cccctgccct	tcttgccctc	3660
agccaagaaa	aggagataca	ggtatggtta	acaaggaaaa	tgactcactg	ctccaaatcc	3720
cagatgcctt	caggtaatcc	ctacccttat	cttatcaatg	cactcagagg	tcctgccttt	3780
aactggcttc	tatgttggtc	tagcaccatc	ttctgcagag	cccaaattgc	cctgcttccc	3840
ctctctcctg	cctctacccc	ttcccccaacc	accaggtagg	tacctagggg	cctccgggga	3900
ggaagggagg	tgacctggc	ccccagggat	aggagcagag	agaagactgg	gatccagcat	3960
ccatctggct	acaactgaaa	tgttttccct	cttccctgac	ttccctgggt	aaccttagg	4020
gaaggaacc	tatagaggtg	ggggtttcag	gtatcagatt	gtcccttct	gccttccctt	4080
ttattcccag	gttcaagggg	gcaggcacag	ggaagagaga	tttgatcatc	tagtcccggg	4140
tttgctgga	tgtgagatgg	gctcagggca	gggaggggt	gatgctgtca	tccttctcgg	4200
ctggagcagg	aagatgaagg	acgatgtcag	actcattttc	agcctcatta	ggcagcagac	4260
ggagatggag	ggaggagagc	aggaggctgg	gggatgggct	ctgcactgca	gagaccagca	4320
gggactaaag	aagagaggac	atggggaact	ggaaaaataa	gccttccagg	attgtgggga	4380
gaaagacgct	gtgggagagg	ccaggatgct	gcattaggca	caggataacc	tgggaacca	4440
ggcacatggg	tcctgctctc	cgaagtctgc	aagtcaagaa	gggaacagag	cacgccgacc	4500
ctctcccttt	ccctctctgtc	tctcttagtg	gctttacagt	gggtaccctg	tcagaaacca	4560
gcactggggg	ccctgccacc	cccacatgga	aggagtgtcc	tatctgtaag	gagcgctttc	4620
ctgctgagag	tgacaaggat	gccctggagg	accacatgga	tggacacttc	tttttcagca	4680
cccaggacc	cttcaccttt	gagtgatctt	actccctcgt	acatgcacaa	atacacactc	4740
atgcacacac	acactcacac	acatgcatac	acttaggttt	catgcccatt	ttctatcaca	4800
ctgggctcca	tgatattctg	ttccctaaga	actgcttctg	tgtgccctgt	tttcatccca	4860
agatttctca	cttcatectc	tcctacctgg	ctcttttgct	ccaggagggg	gtcctgttcg	4920
gaagcagtg	ctgaatttat	cccctgaaag	tggttttgga	ggaaccggga	tggaggaggc	4980
cttccccctgt	gggaatagaa	tcgtccactc	ctagccctgg	ttgcttctga	tacacagcca	5040
ctgcacacac	acactcacac	tcacactccc	ttgtctgatg	cccaaagcc	aattcctggg	5100
gcaccctacc	ctctcttatt	tggagtttcc	gttggtttac	ctgagttttc	tctggggctc	5160
gcacagagcc	agcagcatgg	acatcatggc	ctctcaggtc	ccttttggtt	ctcagtttca	5220
ttggttcctc	tttctgttcc	cccattgact	tctgtgcccc	accctagcct	tttccataac	5280
cttaggtatt	cagtttgag	gggttttttg	tatttttgag	gattcctgta	ttctgtatcc	5340
tctcctcgca	tctcctcaca	tggaaagaaa	taatgtattt	gtgccttctg	tgaggaaatg	5400
gggaacaagt	gtcccaggta	tccccatttc	caaggccccc	ctccctctcc	aggtccccc	5460
acagcaataa	aagcttcccc	ctgatatcca	tccctttgta	gtttgaacaa	atatatttat	5520
atgatatgta	tga					5533

&lt;210&gt; 2106

&lt;211&gt; 5543

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2106

ctacacagaa	gacccaaggc	tgcgatgctg	gatacctcaa	tttgggagct	ggagactgga	60
tatgcaggat	tgagttattt	gagctgagaa	cccaagaagg	gctggcaata	gctgaaggct	120
tgagtgtgtg	ttaaatctga	gaagtggaa	cttgacctct	ctcatcacia	tggttcacct	180
cccgagccac	cccaacacac	ataccccctt	ccttacctgc	tttccacttc	cctcaggctg	240
agctccaagt	ggcacaacag	gagaaccatc	acttaaat	ggacctgaag	gaggcgaaga	300
gctggcaaga	ggagcagagt	gctcagggct	cagcgactga	aagacaaggt	ggcccagatg	360
aaggacaccc	taggccaggc	ccagcagcgg	gtgggtgagt	aggccccttg	gcaacaggaa	420
acgggaaatt	ccaagggcaa	gttgtagaga	agcctgcgtg	tctaaagaga	aggggagaga	480

FOIA b 7 - DATES 05/05/2015

catggcctaaa	gactaaacaa	cacaaccccc	agtcctaata	cagtggagtg	gagggagcgt	540
ttacctccct	ggctgatgaa	tgattcacta	ggaactctga	tctccatctc	ctcctttctc	600
ctgaggccga	gctggagccc	ttgaaggagc	agcttcgagg	ggcccaggag	cttgagcct	660
caagccagca	gaaagccacc	cttcttgggg	aggagtttgg	cagtgcagca	gcagccaggg	720
accgcacat	agccgaacta	caccgcagcc	gcctggaagt	ggctgaagtt	aacggcaggg	780
tggctgagct	cggttttgcac	ttgaaggaag	aaaaatgcc	atggagcaag	gagcgggcag	840
ggctgtctga	gagtgtggag	gtagagggat	gggggtacc	tggcaatctg	atggccactg	900
ccccacctc	tgtggggact	cctacatgtg	gtcagaccct	ctgggaggag	agaagagggg	960
ttgagaacct	tagaggactt	gggtggagag	gggctttgag	ggaggtacac	tttactttct	1020
aggcatgacc	catccctaac	cggggatatc	caatcctgat	caccagagta	ccttccttgg	1080
aacagaaaca	ttttctgtcc	tagaccccat	gccttgccat	aatgcccatt	cctgatcaag	1140
cagcacctgc	cgtcatgtcc	tgtccttcat	tcagagggt	taggaaatga	aggcaaaaag	1200
gggaaagtgc	tctaataatg	atgcttttaa	taaaggaaag	gacacagtaa	gggatgggtg	1260
tgttgacagt	ggcgttcctt	tttcttcccc	ctccaccctc	ccattttcct	tcttggctat	1320
ctctcaggca	gagaaggaca	agatcctgaa	gctgagtgc	gagatacttc	gattggagaa	1380
ggcagttcag	gaggagagga	cccaaaacca	agtgttcaag	actgagctgg	cccgggagaa	1440
ggattctagc	ctgggtgaggc	atccagccac	caagggctct	gtcctatggc	ctcctgaggg	1500
atccataccc	cttctctctg	tcttgggtat	gggctcagaa	gtgctaggtg	tccactacca	1560
tgttgggtgg	catttcactt	gcacacgcaa	gcctcattg	gtttgaaatg	tgcatttttt	1620
tctgtcttca	gggcacacat	ctggggccag	tagaggtgac	ttaggagaat	tatagagtgg	1680
ccccttggta	tgaccaaggc	ctctgcaccc	cagcttagag	gaagtcatgc	agggtccccc	1740
tcgagaggca	gagactaaga	cttagaaaa	tgagtatctg	tggcccaaga	caaagtactc	1800
atggaggaag	tgttgggaat	tctgtgtgt	gtgtgtcaga	gcaggggaag	agcagaggca	1860
tggggagacc	tggttctaga	ttgttgggtc	tgggtcccaga	gtccaggttc	ttggagggtac	1920
attctaggct	ccagattcca	ttggggccctc	ttccctcagg	tacagtgtgc	agaaagtaag	1980
cgggagctga	cagagctgcg	gtcagccctg	cgtgtgtctc	agaaggaaaa	ggagcagtta	2040
caggaggaga	aacaggtgag	caccataaac	ccaggccccc	tggatgccac	agggtaggac	2100
ttgagggcta	gaaactttgt	aaattcctgt	catctcttgg	cttagaaact	gttctctcca	2160
agaggggccc	taccctggct	tctcttatta	gctgattttg	caggacagcg	gatgatctct	2220
gggagaaggg	agggatgtaa	gtggtgaagc	aggggtgctg	gggggagtgt	ctgctgaag	2280
ttgccccaat	ctttgtgaa	ggcatcta	gctgaggagc	taagagtctt	tcttgggtgc	2340
agcttctgca	ggctagcaag	gttggcacct	tccattctc	tagcacctgc	ctttttcctt	2400
cccaattcca	ggaatcgcta	gagtacatga	gaaagctaga	ggcccgctg	gagaaggtgg	2460
cagatgagaa	gtggaatgag	gatgccacca	cagaggatga	ggaggccgct	gtggggctga	2520
gtccgtgtag	ccccaatctt	gtaacacctc	ttccccactc	tacctccgc	tgttgaggaa	2580
ggctccatgt	aaccttggct	ggagctgcct	ttgccttcta	tgtgttttgc	cttttctttc	2640
ccagaccctg	gcccctgttt	agtctaata	taccctctat	ccagaggaga	cagctgggtc	2700
aactcctcac	aacacatcct	ttttcttctc	ctgcctgctt	catctcctac	aggctgccc	2760
gcagctctga	cagactcaga	ggacgagtc	ccagaagaca	tgaggctccc	accctatggc	2820
ctttgtgagc	gtggagaccc	aggctcctct	cctgctgggc	ctcgagaggc	ttctccccct	2880
gttgtcatca	gccagccggc	tccatttct	cctcacctct	ctgggccagc	tgaggacagt	2940
agctctgact	cggtagcag	tggaggagcc	tgtgcagaag	cagtaaggag	gggcagggcc	3000
aaacccaagt	gtcccagcct	ggagtgcagc	accgatcttg	gctcactgca	gcctctgcct	3060
cctgggctga	agcgatcctc	ccacctcagt	ctcccagag	tagctgggac	cacaggcagg	3120
cacccccggc	taattagaga	aggaatctta	gctatccagg	gctctctttt	tcccagggga	3180
gaggaggcag	gcccagcctc	tcttcagtgc	cacaccagta	gatatcatcc	caaaaccag	3240
accagcccaa	tagcctcact	gcttctcccc	cacagtcatt	ctcttattat	tcaccagccc	3300
ctcaaaacgc	ctctcctgcc	tactcttcc	taagcccctc	aggctactgt	cctagccttg	3360
gctgtctctc	ccatacctgt	cccaatgtgc	tgtccccca	tcttgggaca	ccacccccaa	3420
gcccacccct	gtctcttttg	catccaggag	gctgaagatg	agaagtcagt	cctgatggca	3480
gctgtgcaga	gtgggggtga	ggaggccaac	ttactgcttc	ctgaactggg	cagtgccttc	3540
tatgacatgg	ccaggtgagt	tcaaccagca	aggccaggag	ggaggtggga	ggaggtcaga	3600
gggaaagggc	atctgtgtgg	acagtcacca	ggccctgctc	ccaacccctg	cccttcttgg	3660
cctcagccaa	gaaaaggaga	tacaggtatg	gttaacaagg	aaaatgactc	actgctccaa	3720
atccagatg	ccttcaggta	atccctaccc	ctatcttata	aatgcactca	gaggtcctgc	3780
ctttaactgg	cttctatgtt	gttctagcac	catcttctgc	agagcccaaa	ttgccctgct	3840
tcccctctct	cctgcctcta	ccccctcccc	aaccaccagg	taggtacct	gggtcctccg	3900
gggaggaagg	gaggtgacca	tggccccccag	ggataggagc	agagagaaga	ctgggatcca	3960
gcatccatct	ggctacaact	gaaatgcttt	ccctcttccc	tgacttccct	gggtaaccct	4020
tagggaaggg	aacctataga	ggtgggggtt	tcaggtatca	gattgtcccc	ttctgccttc	4080
ccttttatct	ccaggttcaa	gggggcaggc	acaggggaag	gagatttgat	catctagtcc	4140





tggggggaac	aagtgggtccc	aggtatcccc	atttccaagg	ccccctccc	tctccaggtc	5460
ccccacagc	aataaaagct	tccccctgat	atccatccct	ttgtagtttg	aacaaatata	5520
tttatatgat	atgtatga					5538

<210> 2108  
 <211> 5537  
 <212> DNA  
 <213> Homo sapiens

<400> 2108						
ctacacagaa	gacccaaggc	tgcgatgctg	gatacctcaa	tttgggagct	ggagactgga	60
tatgcaggat	tgagttatatt	gagctgagaa	cccaagaagg	gctggcaata	gctgaaggct	120
tgagtgtgtg	ttaaattctga	gaagtggaa	cttgacctct	ctcatcacaa	tggttcacct	180
cccgagccac	cccaacacac	ataccctttt	ccttacctgc	tttccacttc	cctcaggctg	240
agctccaagt	ggcacaacag	gagaaccatc	acttaaattt	ggacctgaag	gagggcgaaga	300
gctggcaaga	ggagcagagt	gctcaggctc	agcgactgaa	agacaagggtg	gcccagatga	360
aggacaccct	aggccaggcc	cagcagcggg	tggtagtgta	ggcccccttg	caacaggaaa	420
cgggaaattc	caagggcaag	ttgtagagaa	gcctgcgtgt	ctaaagagaa	ggggagagac	480
atggctaaag	actaaacaac	acaaccccga	gtcctaattg	agtggagtgg	agggagcgtt	540
tacctccctg	gctgatgaat	gattcactag	gaactctgat	ctccatctcc	tcctttctcc	600
tgaggccgag	ctggagccct	tgaaggagca	gccttcgagg	gcccaggagc	ttgcagcctc	660
aagccagcag	aaagccaccc	ttcttgggga	ggagtgtggc	agtgcagcag	cagccaggga	720
ccgcaccata	gccgaactac	accgcagccg	cctggaagtg	gctgaagtta	acggcaggct	780
ggctgagctc	ggtttgctac	tgaaggaaga	aaaatgccaa	tggagcaagg	agcgggcagg	840
gctgctgcag	agtgtggagg	tagagggatg	gggggtacct	ggcaatctga	tggccactgc	900
ccccacctct	gtggggactc	ctacatgttg	tcagaccctc	tgggaggaga	gaagaggggt	960
tgagaacctt	agaggacttg	ggtggagagg	ggctttgagg	gaggtacact	ttactttcta	1020
ggcatgaccc	atccctaacc	ggggatatccc	aatcctgata	accagagtac	cttccttgga	1080
acagaaacat	tttctgtcct	agaccccagg	cctgcacata	atgccattc	ctgatcaagc	1140
agcaactgcc	gtcatgtcct	gtccttcatt	cagaggggat	aggaaatgaa	ggcaaaaagg	1200
ggaaagtgtc	ctaaaaatga	tgcctttaa	aaaggaaagg	acacagtaag	ggatgggtgt	1260
gttgacagt	gcgttccttt	ttcttcccc	tccaccctcc	cattttcctt	cttggctatc	1320
tctcaggcag	agaaggacaa	gatcctgaag	ctgagtgcag	agatacttcg	attggagaag	1380
gcagttcagg	aggagaggac	ccaaaaccaa	gtgttcaaga	ctgagctggc	ccgggagaag	1440
gattctagcc	tggtagggca	tccagccacc	aagggtcctg	tcctatggcc	tcctgaggca	1500
tccatacccc	ttctctctgt	cttgggtatg	ggctcagaag	tgctaggtgt	ccactaccat	1560
gttgggtggc	atttcacttg	cacacgcaag	ccctcattgg	tttgaaatgt	gcattttttt	1620
ctgtctcag	ggcacacatc	tgggccagtg	agaggtgact	taggagaatt	atagagtggc	1680
cccttggtat	gaccaaggcc	tctgcacccc	agcctagagg	aagtcatgca	ggtccccact	1740
cgagaggcag	agactaagac	ttagaaaact	gagtatctgt	ggccaagac	aaagtactca	1800
tggaggaagt	gttgggaatt	cctgtgtgtg	tgtgtcagag	cagggaaaga	gcagaggcat	1860
ggggagacct	ggttctagat	tgttggtcct	gggtccagag	tccaggttct	tggaggtaca	1920
ttctaggctc	cagattccat	tgggccctct	tccctcaggt	acagttgtca	gaaagtaagc	1980
gggagctgac	agagctgcgg	tcagccctgc	gtgtgctcca	gaaggaaaag	gagcagttac	2040
aggaggagaa	acaggtgagc	acccataacc	caggccccgt	ggatgccaca	ggtgaggact	2100
tgagggctag	aaactttgta	aattcctgtc	atctcttggc	ttagaaactg	ttctctccaa	2160
gagggcccg	accctggctt	ctcttattag	ctgatttggc	aggacagcgg	atgatctctg	2220
ggagaaggga	gggatgtaag	tggtagaaga	gggggtgctg	ggggagtgtc	tgctgaagt	2280
tgccccaatc	tttgctgaag	gcatctaata	ctgaggagct	aagagtctct	cttgggtgca	2340
gcttctgcag	gctagcaagg	ttggcacctt	cccattctct	agcacctgcc	tttttccttc	2400
ccaattccag	gaattgctag	agtacatgag	aaagctagag	gcccgcctgg	agaaggtggc	2460
agatgagaag	tggaatgagg	atgccaccac	agaggatgag	gagggcgtg	tggggctgag	2520
tccgtgtagc	cccaatcttg	taacacctct	tccccactct	acctcccgt	gttgaggaag	2580
gctccatgta	accttgctgg	gagctgcctt	tgccctctat	gtgttttgcc	ttttctttcc	2640
cagacctgg	cccctgttta	gtctaataat	accctcatc	cagaggagac	agctgggtcca	2700
actctcaca	acacatcctt	ttttcttctc	tgccctgctc	atctcctaca	ggctgcccgg	2760
cagctctgac	agactcagag	gacgagtcct	cagaagacat	gaggctccca	ccctatggcc	2820
tttgtgagcg	tggagaccca	ggctcctctc	ctgctggggc	tcgagaggct	tctccccttg	2880
ttgtcatcag	ccagccggct	cccatttctc	ctcacctctc	tggggcagct	gaggacagta	2940
gctctgactc	ggtgagcagt	ggaggagcct	gtgcagaagc	agtaaggagg	ggcaggggcca	3000

5538 5520 5460



<210> 2110  
 <211> 368  
 <212> DNA  
 <213> Homo sapiens

<400> 2110  
 aaggcgagag gattgttcaa gccaggggt tcaaaaccag cctgggcaac gtagtgagac 60  
 cccatctcta caaaaaattt taaaaattag ccaggcatgg tggcatgcac ctgtagtccc 120  
 agctactcag gaagctgagg tggaaggatt gcttgagccc aggaggtcaa ggctgcagtg 180  
 tgctgtgatc gcacccctga acttcagcct gggtgacaga gcaagattct gtctcagaaa 240  
 aaaaaggggt ggggtgtggg gcctagtact ttcaaaccct ttagcagaa ccctttctc 300  
 tcctcccacc aataaagttt ttaatcttgt gtggaatctc actgaataaa caaaaacaat 360  
 gttttatt 368

<210> 2111  
 <211> 436  
 <212> DNA  
 <213> Homo sapiens

<400> 2111  
 ggaaattaga gataatggat ctctctctc tccatcccaa cccctcttta ttgatcctcc 60  
 tttaatgaaa gttaattata acaatgattt aattaataga atccctctct tcctttattg 120  
 cttcccgtat taagactatt aataaatag agctgggctg acagaggcat ccatcaccgc 180  
 cctgggattc ccccatccc tccttttacc tccccctc tccctctccc tctcttgccc 240  
 tataaacttg ccggggtagt ggggggttaat cagagaggaa ttatgagcca acatccccag 300  
 caggaggtgc atttaatgaa atcatgtgtg atttattttc tgggggaggt tggggcgaga 360  
 agaatctggg acccacacct cctggcttcc agtgagtggc tgccttgtgc aaaaaaggag 420  
 aatagtagac aaacag 436

<210> 2112  
 <211> 8896  
 <212> DNA  
 <213> Homo sapiens

<400> 2112  
 cgggtggcggc tgtgtgtcgc cggagccgaa gcgcgcaggc ccgtcccgggt ggccggggag 60  
 cgggcgggtg ggggcgccat gtggttcatg tacctgctga gctggctgtc gctcttcac 120  
 cagtgggcct tcatcacgct ggctgtcggg gagactgcac gaccccgcc cgcgcgggct 180  
 cccgccccgg catcggtgct cgttgggggt cgcacgcgg gggtttcgga gccactcggg 240  
 ggaccactgc ccggcgctcc cggccttcgc cgcccccaacc ccttcccggc tgatcctgcc 300  
 cctcctgtcg agcctggcag ccgggcctga ccgtggctcc ttccagggtg cacagagtcc 360  
 gtcccggcac tgcccagaaa aggggtgactc gagtgcggcc ccgcgctctg cggaccgcta 420  
 accgctgcgg ctccccactct tcgcgggcct gccgcgcgga acttttccc aacgcctacc 480  
 gccgcctttg cgcctctggc ccttcagtct cctgtctctc tccacctttg acacttctcc 540  
 tctggctggg tccattcgg cctcagttga gatgtcatct tttccgggaa gtccacaggg 600  
 gttgatggtc cagcagtgcc ctgtcctttc cctaaagtag catttctcac actaaactcg 660  
 tctgtctctc cctactgttc cccttccctt tcccaagctg ggtcagggaa ggacccttgt 720  
 ctgtcttttt cagctgtatt ctacgcccag ggacctggct catgccaagt gccagcagg 780  
 tgtttattga atacgtgaaa ttccgttttc tgagccagag gttatcattg tactgtggca 840  
 tcaaatgcag actttcgttg atttttatga gatttgtcct tagttgccct aagaaagttt 900  
 tacttctcca gacttgaag ggcaacacat gggatgtttg gtttgttctt gaccttctgg 960  
 ggtccatgaa ggggtgatgg ggactgggct gcagagagag ggggtgaccag gatggtggga 1020  
 gtgaccctgg ctgatagtct ccctgcctcc caccctgcag cggctggact ctattacctg 1080  
 gcagaactga tagaagaata cacagtggcc accagcagga tcataaaata catgatctgg 1140  
 gtaagtggca tctttctcca ggagtcctcc tcaactcttt gccctgcctc aaaagcagga 1200  
 agtggggaga gtttggcatg gatgatgagg cctgtgtctc tgctgtttcc tgagcataca 1260  
 ctcttacctc cttgccctga acgctgtctt ttgggtctgc actcctgggc ccagatcttc 1320  
 cctggccgcc ttcccaagt ggcatgttt cactgcaggc cttgtgtctt agtccttaag 1380  
 gtgacagcga agtgacttc tctgttgaca agaccgtaga tttgactttg cttagctctc 1440

FILED "200560"

tccccgtgtc	tttagccctt	tgctctgtct	acagcattta	aaacttagag	gagccataag	1500
acagtttttg	atatatgttc	attgccatct	ttctaatacg	atcaagtgat	ttgtcctaag	1560
atcggcacag	cttcgctgcc	ctcgcccttc	cctggctctca	tgggagggtt	ctcttactga	1620
agacacagtc	cttgccactg	atatcaaagc	cataggggtg	actgctgggtg	gacagacttc	1680
cttcagctgc	aggaaaggct	gggggttaggg	gtgccattgg	agagaaagcg	tccacagccc	1740
ctcaagtcgc	ctgggtgtcag	cagccatgtg	cactctgggc	atggctgagg	ttgggagtgc	1800
acagtggagg	caagactata	gccctcagct	ctgggtccaga	ggcccagctt	gtgggtgttg	1860
gcacagtaat	tagcccttca	ttcagccaac	tgtcatttgc	taagcactga	caactgtagg	1920
tacttatcag	tagtgttttt	caaactgtag	gcatgattca	ttatttggct	gtatagtagg	1980
tcacaatcag	cattttttta	aaaaaggaac	ataaatagaa	ttgaaatttg	agctttgaat	2040
catatatatg	tatatatgtg	ttggggctac	agtgtaaaa	gtttttcttt	ttcttttttt	2100
ttttttgaga	tggagtttcg	ctcttattac	ccaggctgga	gtgcagtggc	acaatctcag	2160
ctcacgcgaa	cctctgcctc	ctgggttcaa	gcgattctcc	tgccctcagcc	tcccagtagt	2220
ctgggattat	aggcatgtgc	caccatgcct	ggctaatttt	gtatttttag	tagagatggg	2280
gtttctccat	gttggtcagg	ctggtcacaa	actcccaacc	tcaggatgat	tgccctgcctt	2340
ggcctcccaa	agtgtttggga	ttccaggcgt	gagccacctc	gcctggcaga	tgtttttctt	2400
actgtgggtt	gctgtcaaaa	agtttgagaa	atgggctggg	tgcggtggct	cacacctgta	2460
atcccagcac	tttgggaggc	catcagaagt	ttgagaccag	cctggccaac	atggcaaaac	2520
cctgtctcta	ctaaagacac	aaaaatttag	tgggcgtggg	tgtgcatgcc	tgtagtccca	2580
actactcagg	aggctgaggc	aagagaattg	cttgaatcca	ggagatcgcg	ccactgcact	2640
ccagctcgga	tgacagatgt	agactccgtc	tcaaaaaaaa	aaaaaaaaat	gttgccctttt	2700
gggagcagag	aacctagctg	gggaggccag	acctgtgaaa	tgaggagatt	gaagcatgaa	2760
cctagtgtctg	cccagagcgg	gctgggggtt	ggtgagtcca	ggaacgttgc	ctggaagaag	2820
cgccctgcac	tgtctgcctc	tggttgtttt	agttctccac	cgctgtactg	attggcctct	2880
acgtctttga	gcgcttcccc	accagcatga	ttggagtggg	cctattcacc	aacctcgtct	2940
actttggcct	cctccagacc	ttccccctca	tcatgctgac	ctcgccctaac	ttcatcctgt	3000
cgtgtgggtga	gaggggacag	agttggggag	gcagctgatg	tggttgggtg	tgcccatctc	3060
catcctgggc	actaaagggg	atacagaaaa	aggaagccag	ctgttgaagt	cctccaggaa	3120
gccaggctag	ttgggaagat	gcggttctta	ctgctgagga	ctctagagcc	caccttggct	3180
ctagtgaata	gaatttgttg	gggctgggga	ctcagacagg	gagggctttc	ccagagaggt	3240
aagtttgaag	gagagttttg	gaaagaagag	gttgtggatt	ggctgaggca	gggcccccaa	3300
ctgagcagtt	ccagcctcaa	aaaaaccact	tggccagaaa	aagcccaaag	cccttccggt	3360
aggcaggcag	ctgtccgtcc	agtcctctga	cccaaagtca	ttgttaggac	tggagcctca	3420
tggggctgtg	agcaccttgc	agactctggc	ctgggtgtgaa	tgccctcctgg	gggctgcagc	3480
ttctcatctc	attctcactg	gctgccgtgt	cctcgggctt	gagcctggat	gtggaggacc	3540
cagtcttctt	ggcgtttgcc	tgccaccact	ttctgaccct	ggggaatcat	tggccctctc	3600
tgggccttag	cttctccatc	tattcagaga	ggatgtttct	gaaagaacta	ttgggagact	3660
cagtgggcag	atagtagggt	catataggta	tttacagata	ttcctggaaa	aggcttcgga	3720
aagtattttg	gttgccaaga	ttgccattgc	tcctgttcat	cattgctggc	taccctagct	3780
ttcagtcagg	gtatcagatg	gagttagggt	tttttttagag	tgacttttct	atttctatga	3840
gagagcctgg	agggtgaata	ttatccacac	aaagggcata	ttgttaaagc	caaaactggt	3900
ttcttccttg	ggtgtgattt	caccaaagaa	tttgttcagc	agaggtttgt	tagggagccc	3960
ttccatggag	accaggcccc	tctgtccagg	gaagaagtcc	tgcccccagc	ccctcagcag	4020
caggctcccc	tgacttcaact	cccttgatct	gccctttaat	gcctaaaaga	gtttttccaa	4080
aagatcttgt	gggcaccagg	cactatccta	cctcccatta	tctcttagcc	ctagagtgtg	4140
gctaggcata	gcagaactgt	agtcttttgc	ttagaattgg	agaggcagga	gagaagaaaag	4200
gagacatgag	aattgtgtgt	aggtgtgtgt	gggggacag	tcagtttcag	gggacatggt	4260
ctttctgggtg	cctgcccttc	acctcaccat	gggaaccggc	agggatgact	gtctcttgag	4320
cagcctgtgt	ccaggatatg	cacacgtgcc	ctctttttata	aactcagtta	cacaccaagg	4380
aggggtggct	gtgtgtgtgt	gtgtgtccag	aacgtatcag	ttcacaccgg	tatgccttac	4440
ctgggggag	gatgaggagg	gacccctctc	cccagaatgt	tgaggaaacct	gaagactgca	4500
cctcaaagca	tctagcaagt	cctgcccttt	tattcctgag	gagtgaagac	ctttttattt	4560
gagcaggcct	tctccttgct	gcccagtttg	tttattttgag	caggccttct	ccttgctgcg	4620
agtttggagt	agagcctctt	aggggctgtc	ggctctgcaca	cccatgattt	ctccccacct	4680
gtcactgtgg	gagagctttc	tttagccctc	acatccacga	aaaacgaggt	tcacgtctcat	4740
gatgcttttg	attatgtaac	atagaagtct	cactttttata	acatgcaaag	agccttcttc	4800
taattttact	cagaatgccc	tgtgcagtgg	gcaggttgag	gctcattctc	ccatttttagc	4860
agatgggaaa	cggttctagg	cagtagccta	ctctgagttg	agtgtaaagt	caggcctaag	4920
actccatgga	ggctcccaac	ttctgagggc	cttttgaagt	taaaagtaca	gctttctgtt	4980
attcccttta	aactgactga	ctcttcattc	cctcaacagg	actagtgggt	gtgaatcatt	5040
acctagcatt	tcagtttttt	gcagaagaat	attatccctt	ctcagaggta	agaagtgtcc	5100

FILED "230556"

agcacattca	gctgttaaca	gggacagggt	agtaaaaggg	aacttgcatg	gtttacttta	5160
taaacttagc	tatgatttga	aactgaatct	gttcaaggat	tacatgtttg	aaaaaaacaa	5220
aacatagatg	gtttgagaaa	gctgtgtgga	tggggacaga	ctgtgctcat	ttggccgagg	5280
tggggaggac	actgctcttc	ctcagtgagt	cctttgggtc	ccccctgagg	ggtcacctcg	5340
aggtcaggaa	ggggtagtag	ggtgaccttc	tctgacacag	tcctcacagg	gcagggatgg	5400
actgcacccc	tgagccccag	cttttcccag	tggccgccaa	ggttttcttc	tcccacgatt	5460
tctccacacc	ctgctgctcc	agtttgaacc	tctgggaaga	gcaaggtcac	ttctttgggg	5520
ggtgtgggtc	agtcagtcac	ggcttagcac	tttgtctgcc	tccttcagtc	caggggagtt	5580
gcttgctcta	gcgaccaaga	tatgggggtt	gtggccacat	tcagtcattt	tcagcctcca	5640
cctttcccca	cagaaggatt	tccatgtctg	agggtggcgt	tccttgcttc	ccaggcctgg	5700
gccccctttg	gagatcaggt	gtggccccc	gtgcactctt	gaccaacacg	cagtcaccac	5760
acccagccca	ctcttggcac	ctccggggca	cctcttcttc	agtctctctt	gttgccaggt	5820
cctggcctat	ttcactttct	gcctgtggat	aattccgttt	gcgttttttg	tgtcactttc	5880
ggccggggag	aacgtcctgc	cctctacat	gcagccagga	ggtgagaagg	gatttgtaag	5940
ggggccaggt	gggggcaagc	cagcaaggcc	tgggttgcca	ggggtccact	gagggaaact	6000
gaatctagcc	ctgtgttgga	gacacctgga	ctcggggttg	ggagggccgt	gttcacacac	6060
atgcgcacac	acacacacac	actctctctc	tctctcatat	tcttgccctg	atctccacag	6120
atgatgtcgt	ctccaattat	ttcaccaaag	gcaagcgggg	caaacgctta	gggatcctgg	6180
ttgtcttctc	cttcatcaaa	gaggccattc	taccagtcg	tcagaagata	tactgacccc	6240
catgcaggca	ggatgtgggg	ggcaagatca	ggagatctag	gccccggggc	ctctatgcca	6300
ggtgggggacc	agaagtcggg	aaggcaccta	ccacctgccc	tggctttctt	cccccaact	6360
ctggagcccc	atccccaccc	tccttggggg	gctcagcttg	gctcagatct	gatgcttcaa	6420
gaggctgtaa	cctcagaggg	caccaaggag	ggtggcagag	cctgcttagc	caggaggccg	6480
aggctccctca	gtcctccctc	gtcccttcca	agggtgggtca	ggaggttctg	gccccgctgg	6540
ggcaggcagg	gcaggggtctg	tgaagcttaa	gagcagatgg	tgacaagtcc	tctgggcagg	6600
tggccatggg	gaggggccat	ggcttggcat	gtccaacaga	aatagttttt	gctgttgaac	6660
ggtgattttct	gtccaagtgc	agatttccgt	ttgaataaag	cttcgcttct	agggtggcact	6720
gtttgcctta	ataccctgac	agttcatctt	cctttcttcc	tgctaacctt	ctgctctgga	6780
ctggactcac	ttttctgtct	cagggactcc	ttttctgggt	ttgggtcttg	cccttcccaa	6840
gggactgttc	ttgtggccct	taatgggaag	ggggcagggg	tgaggagctg	agcctgctca	6900
aggagtggga	agtggggcta	taggcagcct	ctctgatgca	ctctcttcca	tctctttccc	6960
caaggtcccg	tgactgtcaa	actgggagta	ggagagggga	caatttagga	ctgggctaga	7020
ttttcagaag	aacatctaca	atatcctatt	tataaatctt	cctctgggaa	aaggagtgg	7080
ttctggctga	atactatctt	aggctcaagg	agaaacaaaa	taaaaattag	cttccaggca	7140
gcctgttttt	aaagaaatgg	gactaatggg	agaagctggt	tgtcactcta	agagcatcca	7200
agccctggcc	cgtctgtgca	ctcttggctc	ctggggagat	atatctgcct	tctaagaagg	7260
caggccaggt	cttgggcaca	gacctgcatt	tgttgacctt	gcactccaac	tatagtgcct	7320
tgcaagtgtc	caacagtaca	tattggaatg	aagtcctcat	gagagccatt	tctggccatg	7380
ttctatacct	caaagtgagg	ctggcaggta	cagagatgaa	ctgtacacat	gtgatacatt	7440
taagccactg	gaaaaacccc	tgtgcttgaa	aatatttctt	ctatatcatg	cctggagtcc	7500
catcatagcc	cttcatttcc	ttggcttttag	cattttacct	ctcttaagaa	taccagcttt	7560
ccccctttccc	tgagaggaag	agcacatgtt	ggtctcctct	tagtgtgaac	gagattgcca	7620
ggcccttttcc	tcctatgcac	accaggatag	acaaggcagg	ggatactggc	agcctgcatc	7680
atcctcccat	tgggctgaca	gctggcccta	ctttcctccc	tctgctgctt	ggtccctcac	7740
cttgatgatg	tggcttgcgc	ccctccactc	tactgccagt	gttctcccag	ggcttgctaa	7800
atccagcaga	cccctttcct	gtcttactag	atctgggcag	catttgacat	ggctgatcac	7860
cccttgcttc	ttggatggca	cttccctggc	acctctgtgg	ctagtgtgct	tacctccctg	7920
gctgttccct	tcaggcttcc	gtgcaggctt	ctccacttgc	ccatgcacag	taggggtctt	7980
cagggttctg	ctgtgggctc	cctaggggaag	cccatccatc	tggatgggtt	caaggatggt	8040
gaggaattta	gagttgacct	ccagcccca	catccttctt	gatcacctga	accacagttt	8100
tgctgccctc	taggtgcaca	gacaattcag	gtccatggcc	cagatgggtac	ttgctgtctt	8160
ctgcaaacct	gccccttctg	ggtacttccc	ttgaccccca	gatcactcag	gagccagaca	8220
ggaaacttat	tctatttctg	ttttctcttt	ctgcccacca	catccaatct	ctcaaaacgg	8280
tcaggctctac	cttaacatct	cttgatttga	gccactccca	ctgtcatcag	ctttcacctg	8340
gattatcgtg	acagcctcct	actgcttctc	tatcatgtgg	ccagagctat	cttcctaaaa	8400
tgcattgcat	agttgatcaa	gtcactctct	ggcctaaaaac	cttccttggc	tccttgctgc	8460
cctcaggata	aagtctggac	ccctcagcat	ggcttgtgag	actcatgggtg	tccttgctccc	8520
tgctcacctc	tctggtctca	tcacttgctt	tcttgcatct	tgggtcccag	cctcctgtat	8580
ccagagatgc	agtggctctc	cattgccact	ctgatttctc	ctttcttttg	gtcacagaga	8640
aagggtactt	tctctgtcaa	atctcaactt	agacttgact	tcctccaagg	agctttgggt	8700
atactctctc	ctcccgaccc	ccaccttggc	atactacaca	gatcactctg	ggctcacttg	8760

cctgcctaatt ggtcatctcc ccagtagact gtaagctcct tgagggcaag gattgtgttg 8820  
gaatttttgt attaacagtg cctggcttgg tgcctggcac ctagaaagca ctcaataaat 8880  
gtttgtttta tgaatg 8896

<210> 2113  
<211> 854  
<212> DNA  
<213> Homo sapiens

<400> 2113  
tagcagggaa gcccatgcca gggggacata ttagttgccc tccaccccat tctgggtctc 60  
agcttagagc ctgcagcagg aagggtctta tctgaacaag aaacagaatt tcccagtggg 120  
tccttccatc ctggaagcct gggcccttag ggctgggagg gcagtggggg tgccaaaatg 180  
tgacaacttt tacaatgcca aggtgaagaa tagtgtctga cccccactc tcaacctaac 240  
ttggatttcc tggcggcggg ggggggggtgc caagagattt atttgagag aaaagggagg 300  
cctgggggtct gggcttttga ttgggaaggg tgactcctcg agcttgggag tgggaagccc 360  
ataggcacc cttccccctt cctcgccacc cacaacgtga attgccacac ttcagccttc 420  
actgggctgc ctcaggggga gaggtagcca taataacttt atgggttggt ttgtggggag 480  
ggcaggggtg ggagtccttg atgagatcgc acagctgcca ggaaggcttc atcgaatgtg 540  
tcacgcagg tcatggccag agtgctcggt cagaagggtg tgtcaccag gtgccgcttc 600  
ctgggcactt ccctcatgct gatggggtaa aagccctggg gcaccttcat tctgtatggc 660  
catacacgtg ggtacagcat ggcagcagc acctcaaaag gcagccgagg cacgggcgcc 720  
accagtggt cgtccactgt gtgcagccgc gcaccgccgt gccatcagg cctcacctcc 780  
aggaagctgc tgaagtcgtg ctccggagtg gggctctggat gcacgcccag gcggatgccc 840  
tgcgagtggt tgat 854

<210> 2114  
<211> 397  
<212> DNA  
<213> Homo sapiens

<400> 2114  
tcttgttcta catactttat tttgcatgcc tgtctccgcc actagatggg agacttgttg 60  
acaaggacta accggttcca ggtgcccctc aggaaccctc ccagaggtgt agtaaatgca 120  
tccagcgcct agcggacgcc ctgctgtgcc ggcaaggggt gaggtgcagg cgatacaaag 180  
gtgcagaatg taccctcaaaa gaacagccta gaggggaatt aggccggagg atgaccgatt 240  
aaaatcacc caactcctga ttgtgccgct tcttaggtgc atgaccag gcaacttcct 300  
ttggccccg cttccccgtc tataaaatga tttacattat ctgctcaa at ttccgacaag 360  
aacacacctc gcctttatca cagagcgtgg cacatat 397

<210> 2115  
<211> 364  
<212> DNA  
<213> Homo sapiens

<400> 2115  
aaccaccatc aaacaggatt ttgcctgct ggggcaaacc agcgtggacc gcttgctgca 60  
actctctcag ggccaggcgg tgaagggcaa tcagctgttg cccgtctcac tggtgaaaag 120  
aaaaaccacc ctggcgccca atacgcaaac cgctctctcc cgcgcttg ccgattcatt 180  
aatgcagctg gcacgacagg tttcccgact ggaaagcggg cagtgcagc aacgcaatta 240  
atgtgagtta gctcactcat taggcacccc aggcctttaca ctttatgctt ccggctcgta 300  
tggtgtgtgg aattgtgagc ggataacaat ttcacacagg aaacagctat gaccatgatt 360  
acgc 364

<210> 2116  
<211> 686  
<212> DNA

20250720 15:00:00

<213> Homo sapiens

<220>

<221> SITE

<222> (95)

<223> n equals a,t,g, or c

<400> 2116

caccaaggcc	agtttgaag	cgaacggcta	ccccgaaatt	aagatactac	agcgtgagtt	60
atgagaaagc	gccacgcttc	ccgaggggaag	aaagncggga	cagttatccg	gtagccggca	120
gggtcgaacc	agaagagcgc	acgaggagct	tccaagggga	aaacgcctgg	tatctttata	180
gtcctgtcgg	gtttcgccac	ctctgacttg	agcgtcgatt	tttgtgatgc	tcgtcagggg	240
ggcggagcct	atggaaaaac	gccagcaacg	cggccttttt	acggttcttg	gccttttgct	300
ggccttttgc	tcacatgttc	tttctgctgc	tatcccctga	ttctgtggat	aaccgtatta	360
ccgcctttga	gtgagctgat	accgctcgcc	gcagccgaac	gaccgagcgc	agcaggtcag	420
tgagcgagga	agcggaagag	cgcccaatac	gcaaaccgcc	tctccccgcg	cgttggccga	480
ttcattaatg	cagctggcac	gacagggttc	ccgactggaa	agcgggcagt	gagcgcaacg	540
caattaatgt	gagttagctc	actcattagg	caccccaggc	tttacctttt	atgcttcggg	600
ctcgtatgtt	gtgtggaatt	gtgagcggat	aacaatttca	cacaggaaac	agctatgacc	660
atgattacga	attcgagctc	ggtacc				686

<210> 2117

<211> 364

<212> DNA

<213> Homo sapiens

<400> 2117

aaccaccatc	aaacaggatt	ttcgcttgc	ggggcaaacc	agcgtggacc	gcttgctgca	60
actctctcag	ggccaggcgg	tgaagggcaa	tcagctgttg	cccgtctcac	tggtgaaaag	120
aaaaaaccac	ctggcgccca	atacgcaaac	cgctctctcc	cgcgcttggt	ccgattcatt	180
aatgcagctg	gcacgacagg	tttcccgact	ggaaagcggg	cagtgcgcgc	aacgcaatta	240
atgtgagtta	gctcactcat	taggcacccc	aggctttaca	ctttatgctt	ccggctcgta	300
tggtgtgtgg	aattgtgagc	ggataacaat	ttcacacagg	aaacagctat	gaccatgatt	360
acgc						364

<210> 2118

<211> 288

<212> DNA

<213> Homo sapiens

<400> 2118

attaagcgcg	gcgggtgtgg	tggttacgcg	cagcgtgacc	gctacacttg	ccagcgcctt	60
agcgcgccgt	ccttttcgctt	tcttcccttc	ctttctcgcc	acgttcgccg	gctttccccg	120
tcaagctcta	aatcgggggc	tcccttttagg	gttccgattt	agtgccttac	ggcacctcga	180
ccccaaaaaa	cttgatttgg	gtgatggttc	acgtagtggg	ccatcgccct	gatagacggg	240
ttttcgccct	ttgacgttgg	agtccacggt	ctttaatagt	ggactcctt		288

<210> 2119

<211> 288

<212> DNA

<213> Homo sapiens

<400> 2119

attaagcgcg	gcgggtgtgg	tggttacgcg	cagcgtgacc	gctacacttg	ccagcgcctt	60
agcgcgccgt	ccttttcgctt	tcttcccttc	ctttctcgcc	acgttcgccg	gctttccccg	120
tcaagctcta	aatcgggggc	tcccttttagg	gttccgattt	agtgccttac	ggcacctcga	180
ccccaaaaaa	cttgatttgg	gtgatggttc	acgtagtggg	ccatcgccct	gatagacggg	240
ttttcgccct	ttgacgttgg	agtccacggt	ctttaatagt	ggactcctt		288

<210> 2120  
 <211> 149  
 <212> DNA  
 <213> Homo sapiens

<400> 2120  
 aaacaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aagaaaaaaa aaaaaaaaaa 60  
 aaaaaaaagaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120  
 aaaaaacaaa aaaaaaaaaa aaaaaaaaaa 149

<210> 2121  
 <211> 151  
 <212> DNA  
 <213> Homo sapiens

<400> 2121  
 aaaaaaaaaa aaaaaaaaaa gaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaca 60  
 aaaaaacaaa aaaaaaaaaa aaaaaaaaaa taaataaaaa aaaaagagaa aaaaaataaaa 120  
 ataaagaaat aaataaaaaa aaaaaaaaaa a 151

<210> 2122  
 <211> 202  
 <212> DNA  
 <213> Homo sapiens

<400> 2122  
 aaaaaaaaga aaaaaaaaaa aaaaaataaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 60  
 aaaaaaaaaa aaacaaaaaa taaaaaaaaa aagaaaaaaa aaaaaataaa aaaaaaaata 120  
 aaaaaaaaca aaaaaacaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa ataaacaaaa 180  
 aaaaaataaa acaaaaaaaa aa 202

<210> 2123  
 <211> 4171  
 <212> DNA  
 <213> Homo sapiens

<400> 2123  
 aggtcagacc gggaagctga tgtatgtgat gcacaactca gagtacccat tgagctgttt 60  
 cgccctcttt gagaatggcc cttgccttat tgctgacacc aactttgatg tgcttatggg 120  
 gaagctcaag ggctttttcc agagtgtctaa ggccagcaag attgagaccc ggggcaccag 180  
 gtaccagtac tgtgacttcc tgggtgaagggt gggcacgggc acaatggggc ccagtggccc 240  
 gggcatctct gtggaggtaa gaccttgggtg aaaataggag caggatgttc tgagggggct 300  
 gcttagcaaa gggctctgaa gattttccag ttcttctctt tttttttttt tgagacagag 360  
 tcttgttctg tcacccaggc tggaaatgcaa tggcacaatc ttggcacact gtagcctcga 420  
 cctccagggc tcaagtgatc cttccgcctc agtctcccaa gtacctggga ctacaccac 480  
 cgaattaaat tttttttttt ttttagtaga aatgaggtct tactatgttg cccaggctga 540  
 tctcagactc ctgggctcaa ttgatcctcc catctcagcc ccccaaagtg ctgggggttac 600  
 aggtatgagc caacacacct ggcctccagt cctcaattta aacagatatt tatgcctacc 660  
 tgatccctga ctccaaggca tctatgtctc ctcttcgtga atcttttatc ctttctttaa 720  
 ttattcagag actctctaac acagctggca agtaggaagc gggaagctgg gttcaaagca 780  
 agcagaaagc ttcattagga aggggtggctt gctggagaag ggaaaagata gtcaagggaag 840  
 gcaggtgagt tatgatattg agggacagtc acccatgaca agaagttctg gagcagacca 900  
 ggacaactct tagaacaatt ttctggcggg gggccctaaa tcacatatgc ccatatacct 960  
 ttcttagta tgctttaaga taggttggga agcaaaaatg tgcttttcct tttgacatgc 1020  
 tgtctgcttt ctttcatggg agaaagagtg tttgtgtgtg agatcacttc atctgtgaca 1080  
 cagagagtgt gtgtgtgtct gtgtatacat acacatatat agtgacaagg agtgagagtg 1140

095066-092750-23005560

gcagtgtagc	agtggctggc	ttctttggga	ccaggggaaag	ttcacaacct	ataatgtgcc	1200
cagcactgag	ataagaaaac	aagtaagctt	gcagggtctac	cctttgaaaa	tttgtgattt	1260
atttattaag	agtgaggctg	aaacacacaa	actctttttg	aagttagtct	gaaaatgcta	1320
taaaagaggc	agttggctct	gggaattcag	gccagtgtga	acactgctga	ccttggttgt	1380
gatgcttcct	gaggatcaac	atztatgtag	ggatttaaaa	tgtagagaca	tggggataga	1440
taagtctagg	aagaatccca	gttgagaaaa	agggcattag	tggtagtttc	tgctcagcaa	1500
cctctaggac	caagacttct	aaccctttcg	gcttgtgata	gaccttggat	ttgctgagac	1560
ccactgagga	cccgtgtttt	atcctccaca	tttctaactt	tgtagtagaa	acacactcca	1620
cctgtttctt	tacttatctt	tccttagggg	tgccagtaat	tttgccctgc	catctctcca	1680
gtaaaaaatt	aagagagcag	aaggagaaaa	cctaagatgt	atattttttg	gccccatgaca	1740
cactattttg	gaaattcttt	cctagggtca	gaaccaggt	tggttctact	tagggagtaa	1800
aatttgggtc	tgaaaaaaac	tcatgagcat	atgtgtccac	tctactctct	acttaccacc	1860
cccacacaca	ttttccttct	ccttctcttt	gttgtgtctc	ttagaatttt	cctgagctct	1920
ccttgaatct	ttaccagca	tagcaggggac	aacacagtcc	tgagatcatc	aaaagggggc	1980
cagatctgct	tctgggtcct	ctgggagggc	tgcggttg	cacagctcca	ggatgagaag	2040
gtcaaagatg	cctaaagatg	ctgggtattg	agcccagtg	ttaggttgaa	tgtttcctgt	2100
ggaccaatac	tgtgctagga	ggtgtgtgtc	tttagctcgg	ggttggggaa	gatgggagca	2160
ggaggcagga	ggtacaagag	aagcagacct	tgtcttagcc	ttcattcacc	ctcattctct	2220
gtgcttttgg	ttcccagggt	gagtatggcc	cctgtgtggt	agctagtgc	tgctggagtc	2280
tgctgctcga	gttccctacag	agttttctag	gcagccacac	accaggggct	cccgcagtg	2340
ttgggaacag	acatgatgcg	gtctacggc	cagcagatac	catgggtccag	tacatggaac	2400
tcttcaacaa	gatccgcaag	cagcagcagg	tgccggtggc	tgggattcgt	tagtgatgag	2460
cagctgccag	ctgagctctg	tcaccagggg	tactccacag	gaggagcagg	tgctgacttt	2520
cagggtccctg	gacccagaa	accaggggta	gacatggact	ctactctcct	tctctgggtc	2580
tcagctgtgg	cctttgttct	ggggctgagt	cccctcccca	acccctgac	tctcacacat	2640
agccccccat	cagctgtttt	actccgtgcc	ttactggatt	tggcctgtcc	tcaagaatgg	2700
taattatgaa	gagtggagaa	gtttggacct	tgccctcttt	aggggaaagg	taggacagga	2760
atgtccctgc	ctggtactgg	tgggggaaat	agtcctatc	cccaactatt	aaggatttgt	2820
cccaggccaa	tgggtgaacat	gctgcatttt	atgtttggat	tgtgctgtaa	taagagcctc	2880
ttccttccct	cagaggatgt	ggctgggctt	ctatcctaga	gatggagtag	aaggcacaac	2940
tggtttgata	gttactattt	tctgacctgt	ttgctgaagt	gatttgcgaa	ttgactttcc	3000
taggggtgtg	cctgagtcct	ttgaaatctc	cctctgacat	ccttcccttc	tgttgtgaaa	3060
tatgttaagc	cacaggccaa	actgctataa	gatcgaagtt	tgtttttttc	tcacctaata	3120
atagagaggt	aatcagatgg	tctagggcag	atttaactct	acaaggttat	caggaacttt	3180
gtttccctct	gtcttattca	gccattccca	gtatgttttc	ttaccataa	gatcaaagca	3240
gactcatcag	ctccatatct	gcattccact	ggggaaagag	agagagaaaa	gagcagattt	3300
taaaaaaaag	atatgactga	gcattgctca	gatcactgtg	gccacacttt	gctgaaagag	3360
atgctgggag	atagaacctc	ttatctgggc	agtcactgtc	tgagttaaaa	ctcagggttt	3420
ctgtgactac	aagatgaaag	acaattttgt	tgctgagatg	cagttaatgg	cctctgttac	3480
atggagctca	atggacgtgc	ccaggaatgc	ttttggctgt	tattttgcag	ttaatacctc	3540
ctgtaactaa	agcatttgtt	tatgagttga	cctgagagaa	gggctgatct	cagagccgct	3600
ttgagctaag	ttggattagt	cacactagga	agttaattcc	acacctttcg	tctaagtctc	3660
agtattgagg	cctctccagt	tctcatgcac	cctgatctta	gggttagaat	acttgaccct	3720
gatacctgca	ccatgcttca	tggttcctga	gctctttctc	ctgtttcatt	tgagcctcca	3780
aactacatat	ttggtcata	tgcctgccta	ccccatgcct	gctgcagaaa	tattcatcca	3840
ggttaacctt	gatatacaca	gagatggctc	tggagaattg	tgaatgtatg	tactgtattg	3900
tcataagga	tactgtccct	tatttgaagg	catctaaaga	gaaactgttt	tcagatccaa	3960
gtgctcagat	ctaaagcctc	tgcaacaagt	caggtgggtg	tcatgtttcc	cctctagttt	4020
tggctgacag	gaagctcagt	tcagtacat	aactacagaa	cctgtcatct	gtattttttg	4080
ttctcaccct	gtttttgtta	ttttgtttct	ggttttttat	attgaggtat	gttttagata	4140
tagtttacaa	aaataaaacg	cacagatctt	a			4171

&lt;210&gt; 2124

&lt;211&gt; 158

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2124

taaaaaaaaa	aaaaaaaaa	aaaaaaaaa	aaaaaaaaa	aaaaaaaaa	aaaaaaaaa	60
aaaaaaaaa	aaaaaaaaa	aaaaaaaaa	caaaaaata	aaaaaaaaa	aaataaaaaa	120

aaaaaaaaa aataaactaa aaaaaaaaaa taaaaaaa

158

<210> 2125  
 <211> 170  
 <212> DNA  
 <213> Homo sapiens

<400> 2125  
 gaaaaaaaaa aaaaaaaaaa aataaaaaaa aaaaagaaaa aaaaaaaaaa agaagaaaaa 60  
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120  
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 170

<210> 2126  
 <211> 151  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (4)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (45)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (89)  
 <223> n equals a,t,g, or c

<400> 2126  
 aaanaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaagga aaanaaaaga aaaaaaaaaa 60  
 aaaaaaaaaa agaaaaaaaaa aaaaaaaana aaaaaaaaaa agaaaaaaaaa aaaaaaaaaa 120  
 aaaaaaagaa aaagggaaaaa aaaaaaaaaa a 151

<210> 2127  
 <211> 77  
 <212> DNA  
 <213> Homo sapiens

<400> 2127  
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 60  
 aaaaaaaaaa aaaaaaa 77

<210> 2128  
 <211> 77  
 <212> DNA  
 <213> Homo sapiens

<400> 2128  
 aaataaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 60  
 ataataaaaaa aaaaaaa 77

<210> 2129

<211> 117  
 <212> DNA  
 <213> Homo sapiens

<400> 2129  
 gcagtggcac aatctcggct cactgcaacc tccgcctcct gggttcaagc gattctcctg 60  
 cctcagcctc ccgagtagct gggattacag gcgcatgccca ccatgcctgg ctaattt 117

<210> 2130  
 <211> 1940  
 <212> DNA  
 <213> Homo sapiens

<400> 2130  
 atttgaacc aggctgtcat tccatgtttg tttggaagct tagagataac atttatgaac 60  
 tttgtgacac atagtagttg ctcaataaat gttaactgta gaaacacatt gattagtttc 120  
 acttcagaaa tagacactta gagttcaaaa ttcccatctg cctagctcct gaggccact 180  
 ttcttaccag aatctttcct gataccctct cctgcataaa atggttcctc ttttgagact 240  
 ttgtagctct tttgtacttc tcttattctg ttacgttact gcaaaaaaaa aaaaaaagaa 300  
 agaaaagaaa agtgccaatt gtgtacatgc tttcctccct gctggaatgt aaactttgta 360  
 aaggcatgat ccatagcaga tacttcttat tacaactac ctggcagaat ttctttctaa 420  
 agaacctact cagtaagcct gttggtgaac tgagcaacat ttggacaatt atggcatcat 480  
 cttacaattt ttcagctatt ggttttctact tgtttagaaa tgtaaaactt tgcaaggact 540  
 tttataaaaag caaatttcag aatagttatt cactaagctt ttttatgcta atgatgtcat 600  
 gctatcaaaa attagctaga gtaaattggac tgtaattgagg atggtttgta atctagatta 660  
 tatgttccac atgtaacatc gaaatgaaat ataaaattga gttgttggca tgtggttggtg 720  
 gtgagcagaa gcagttatta tacattactt ggtaaaattc atattcatat cttgtcagtt 780  
 tacagtgagc cagagattaa aaataacatt tgtttctggt ttagtaactg cttaaaaata 840  
 tccaaaatca ttttattttc tttagctga cttctagtag tgttttgaat atgtggcctt 900  
 tcaagcagta atgaaatgca tcaatgcgac ttggcagtg ctcacaggac atgcttctag 960  
 gatcattttt aatgattaaa agtcaaattg agttctaaaa aactgacca aaatatagat 1020  
 gagccaagta aaaacggaag gaaatctgaa taaaatcttg gttcttggtc ctctgcatgt 1080  
 atcctccaca tctgttttct ccagatctct tttttcttgc ttgttgatag cacagaggaa 1140  
 gatcgcagag agtaatgtac tgtatatgtt tcacatcccc cttcctcttt agtgatagtt 1200  
 tggagagtat actgcagtca ccatggtttt cagtttggag agtacaagga tcagatctgt 1260  
 attttctaga gccagctttt gtggcattct ggagaggtga ttggagaacc atgagagcag 1320  
 gcagacatct ggggtgagagg gcacgagggg tgagtgcagg agagccaga cttgctggag 1380  
 aggcagaaa ggaaggattc aagtagcata accaggaaat agaattgata ggatttggtc 1440  
 cctgctgacc tgtggaataa gggggaaggc agaggagttg attctagtag ttctaagttg 1500  
 ggccacttag tgatattggg gtaccaggaa caggcttagt ggaccacag aagtgaccag 1560  
 acccaggagt ctctctgagc gcccaccctg gcttctctgt gttggcttac ctttcttgg 1620  
 ttgggggtca tggggtggtc agcttcagtg gtgtggtctg aggtgacagg tgctcaggag 1680  
 tgaggacagg gagtagacat caccaatgtg aatgtggagg taggcaacaa gagttattct 1740  
 agaactgaca aatttaatat attttgctga ctgctgagtt ccatttggac aaatacctaa 1800  
 tgcatttggg gcttaaaaacc tagatgacgg gttgaagggt acaacaaacc accgtgatac 1860  
 atgtatactt atgtaacaaa cctgcacgtt ctgcacattt gtcccagaac ttaaagtaaa 1920  
 aaaaaaaaaa aaaaaaaaaaag 1940

<210> 2131  
 <211> 292  
 <212> DNA  
 <213> Homo sapiens

<400> 2131  
 atttgaacc aggctgtcat tccatgtttg tttggaagct tagagataac atttatgaac 60  
 tttgtgacac atagtagttg ctcaataaat gttaactgta gaaacacatt gattagtttc 120  
 acttcagaaa tagacactta gagttcaaaa ttcccatctg cctagctcct gaggccact 180  
 ttcttaccag aatctttcct gataccctct cctgcataaa atggttcctc ttttgagact 240  
 ttgtagctct tttgtacttc tcttattctg ttacgttact gcaaaaaaaa aa 292

<210> 2132  
 <211> 689  
 <212> DNA  
 <213> Homo sapiens

<400> 2132  
 aatttttctt ttaatgcagt atgacacaga aaacatttgg aggatgttga aaagtaattg 60  
 tttaaattgg caaagacaca tttcagtaag ggagtaaaca agagggaaac gtgttggggg 120  
 gaaaggtgtg gggaggaaac tctagaccag aggccctagg acttgaatat acaacttagt 180  
 cctgttgaaa attcagattc ctgggcctta aagtatgtta aataggtcag ggggtggggc 240  
 caggagttgt acttttaacg agcaccctcc tgtgattcat ttaacataaa aggtccttgg 300  
 ctcacacttg gagaaacact gctgtagaaa ctcaaatacc tatttttaaaa caaaggtaca 360  
 ttttaatcat ttagttttaa atgaaatcat tgcataatac tgatgttaga ggtagaata 420  
 aacatgtact taagttcttg atattcttgt catttcagtt acatgtcagg gaatgtgatt 480  
 tgtgttttga cgtattcaaa tccttgtcat attcaaccat attcgtattc aaaatatata 540  
 atgattttga cccttgattg ttcgaattaa gactgtcatc ttttctgtgt gattaactct 600  
 tgtgttgata taaatatgcc tttggcttac taatgttcag taagaactaa tgactcttgg 660  
 gaatgttaat agactctgtg agtcccttt 689

<210> 2133  
 <211> 102  
 <212> DNA  
 <213> Homo sapiens

<400> 2133  
 ctatgggagg attgttggtta ttattgcttg atttcatgc tctcatttta tacaaagtgt 60  
 acagcacaat ttctcaaaga gtaattatga tgccaagaaa at 102

<210> 2134  
 <211> 689  
 <212> DNA  
 <213> Homo sapiens

<400> 2134  
 aatttttctt ttaatgcagt atgacacaga aaacatttgg aggatgttga aaagtaattg 60  
 tttaaattgg caaagacaca tttcagtaag ggagtaaaca agagggaaac gtgttggggg 120  
 gaaaggtgtg gggaggaaac tctagaccag aggccctagg acttgaatat acaacttagt 180  
 cctgttgaaa attcagattc ctgggcctta aagtatgtta aataggtcag ggggtggggc 240  
 caggagttgt acttttaacg agcaccctcc tgtgattcat ttaacataaa aggtccttgg 300  
 ctcacacttg gagaaacact gctgtagaaa ctcaaatacc tatttttaaaa caaaggtaca 360  
 ttttaatcat ttagttttaa atgaaatcat tgcacaatac tgatgttaga ggtagaata 420  
 aacatgtact taagttcttg atattcttgt catttcagtt acatgtcagg gaatgtgatt 480  
 tgtgttttga cgtattcaaa tccttgtcat attcaaccat attcgtattc aaaatatata 540  
 atgattttga cccttgattg ttcgaattaa gactgtcatc ttttctgtgt gattaactct 600  
 tgtgttgata taaatatgcc tttggcttac taatgttcag taagaactaa tgactcttgg 660  
 gaatgttaat agactctgtg agtcccttt 689

<210> 2135  
 <211> 58181  
 <212> DNA  
 <213> Homo sapiens

<400> 2135  
 agtttgcctgg aacattatca gatggccttag ggaagacgat ggacaatcgg catcagtcag 60  
 agcgggagta catcaggtac catgcagcca caagtgggtga acaccttgta gccggcatcc 120  
 atggcctggc tcatggtaag tcatgggtga catcaggctc tgctgctgct ggtcctcaga 180

FILED 2005660

ggcgccctttg	tatcaatctg	attgcagcta	taaaaaaaga	aagggtgggct	gggcgcggtg	240
gctcatgctt	gtaatcccag	catttttggga	ggcctaggag	agtggatcat	gaggtcagga	300
gtttgagacc	agcctggcca	acacagtgaa	accccgctc	tactaagaat	acaaaaatta	360
ggccaggcac	agtggctcaa	tcctgtaatc	ccagcatttt	gggaggtcga	ggcgggtgga	420
tcatttgagg	tcaggagttt	gagaccagtc	tggccaacat	ggtggaaccc	catctctatc	480
aaaaatacga	aaattagaca	ggcgtggtgg	tacatgcctg	tagtcccagc	tactcgggag	540
gctgaggcag	gagaattgct	cgaaccctgg	aggcagaggt	tgcaatgagc	tgagatcgtg	600
ccactgcact	ccagcctggc	aacagagcaa	gactccaatt	caaaaaaaaa	aaaaaaaaaa	660
aaaagaaaag	gctgacaaca	gaggaaatcc	tgtgttggcg	tacctgatag	ccttccaagc	720
tctcttactt	tatcctcctt	gcagttgaaa	tacgacagcc	ggtgagaact	cctcattcgc	780
tttctgaatg	ttgtgcacat	tgcaattcct	tttcgttctc	tggcttctgt	tcccaaagta	840
tcataagggtg	taatcaacca	gacctgttct	tagaattgta	gctgctactt	ctcttagaat	900
tgtaacctct	gccttctcct	tactgatcat	tccttccaaa	gaaattgaaa	tgaggaattt	960
gtggccagggt	ttgtagccca	ggtgtttttt	agttttacat	aaatgtgcat	tcactaaaat	1020
tataaatttta	tttgcctaag	agatgttggg	gatggcatga	atgcatttgg	tctctgactt	1080
tgaattcttt	taatgcttta	attctgagtc	atttgccttt	tgttgcattt	ttcttaacaa	1140
tttcttagta	cggcatccaa	ggcccttggg	actataaatc	cagccaattt	tccaaccacc	1200
atccttcagc	catgctgcac	tttggccaca	cacagctatg	tactgcttcc	cagggtgtgt	1260
tccaagtctt	tgctcacaca	tggtccttct	gctctccctc	ctctgcctca	tttcttgtc	1320
tatcaaaatc	ctactcagcc	tgtaagtcct	aactcaatac	attttcccag	ctctattgtc	1380
cctgttagag	ttaatgacag	agcacagtct	gggtgtgtga	tgctaccagc	tgtgtacatc	1440
tgatagattg	agaatgtgag	gaggggagaa	ggaccacttt	gcattcacct	ttctccttgt	1500
gtacctcaca	tgacacctgg	cacatagctc	atgcatagta	aggcttagta	aattaaactc	1560
tttgtaccag	atccttagga	accatccaaa	gctatcagag	tcatacaag	actgatcagt	1620
attaattatc	tgcatthtgg	agaagaggaa	ggaatataga	cagtaaaata	ttatatattt	1680
atttgtgctt	aggacacgtt	tagaatagag	tttttgttta	tcagctttcc	taatggtgag	1740
atttggatca	aaatgccttt	gcttttccct	aggctgcccc	accgtaaagg	gagctgtccc	1800
taaggagacg	tcaggccaga	agtgaatatt	ggctgaaagt	aatttgttta	tggattttta	1860
aagttgactg	ttgggcaatc	atttgggggt	aaggtttaat	cattctttct	cgtaatggta	1920
atgacagtac	attggactct	tagaagactt	ttaaaaatga	tataaaatgc	tttgttatgt	1980
gtggtggcct	ttatctggcc	agcatccttg	tgacgtggag	agagcatggc	tctcctcact	2040
ttctggatga	acacacaaat	gtgctgagaa	aatgcatgat	tggttcaaag	ttgcaaaatc	2100
acctcccatc	aagaatcatt	cctataatat	gtacagcctc	tccaggagcc	aatggcttca	2160
tccaaagagg	atccactgag	ctctgggtta	tacgaaggca	gtatcctaga	gtgagagtct	2220
tcccttagga	tgaaaagacc	tttagaaggt	gataagaacc	agaatccact	caatccccct	2280
gatgtaagaa	atgggaattg	tgctcagttc	tctctgcagg	ccttgctgga	cccaggttca	2340
gtcatgttct	gtctctcagg	tcccagtcct	aattcctgtt	ctgtgtgtgc	tctgccaaaa	2400
actttgttca	aaagtttggg	aaagggctgg	gtgcagtggc	tcaggacagt	aagcccagca	2460
ccttggaaga	cctagagggg	gaatcgcttg	agcccaggag	tttaaggctg	cagcaagcgg	2520
taatcatgcc	actgcactcc	tgcttgggtg	atagacggac	accctgtttc	taaaaaaaaa	2580
aaaagtttgg	gaaagagata	ttgcctcact	ggagcaaatt	taccagaat	ccaaaagaaa	2640
tgttgtgaat	tgttagtaca	ttctcaccca	aggagtthcc	tttaccaatt	tgtctcacta	2700
gagctgaaga	gtctagagag	cttccacaca	ccccactgtc	agagggtaaa	catcctgtga	2760
gtgtccctgg	cacaggctct	ggagatgctc	cctagacggg	ctgcctcttc	ccttcagtga	2820
ctgtgacctc	ttcagcctct	gccagcttct	ggcctcttct	aagggtgttt	cagccattgc	2880
tgtcaacttg	caaaatgttt	ggaatgcctt	tttgacctgg	attggtcttt	tgaactgact	2940
ccattgaggg	tcccagccag	ctttcacage	tttttgggtg	gctcttcctg	aagggtttat	3000
ataatcgccg	ataccgaatt	tcatacaagc	atgcagtagc	ttttacctta	tttcaagcat	3060
ccagtggggg	tggccagtca	cccccatagt	gttctttgaa	aattgcaaatt	gtataccatc	3120
agctctccat	atccacagat	tcagccaacc	atggatggaa	aatatttggg	gggaaaaaag	3180
atthcacgaa	gtgccagaaa	gcaaaatttg	aatttgccac	acgtttcaaa	tactgtattg	3240
actccacaca	aatgaagtga	tatgtgggca	tcgtattagc	tacaataaat	aatctagagg	3300
tgattttaacg	tatacaggac	ggtgtgtgta	ggttatatgc	aaacacctac	agcacattat	3360
gtaagggact	tgagcatcct	aggatttttg	tatctgcagg	ggatcctgga	tcaatcccac	3420
atggatacta	aggaacaact	acatttagtt	atctctctct	gccttagata	tctttctttt	3480
cttttctttt	tttttttttt	tttgagacag	tctcgctcgg	tcgccagact	ggagtgcaat	3540
gctgcgatct	cggctcactg	caacctctgc	ctcctgggtt	caagcaattc	tctgccttta	3600
gcctcccagag	tagctgggac	tacaggcacg	catcaccacg	cccagctaatt	ttttgtattt	3660
ttagtaaaga	tggggtttca	ccatgttggc	caggatgggtc	tcgatctctt	gacctcgtga	3720
tctgcccgcc	gcagcctccc	aaagtgtctg	gattatgggc	gtgagccact	gcgcccagcc	3780
tctgccttat	atthcatag	atgccatcat	cttcaaaact	tccccgaagg	cccaattttc	3840



FOIA b 7 - D005660

atccagcatt	ttgggagggc	aagggtgggag	gattgcttga	gcccaggagt	ttgagaccag	7560
cctgggcaac	acaatgcccc	catctcttac	aaaaaaaaaa	acaaacctgg	atatggtggc	7620
gggtgggtg	cacctctggt	ccttgctact	tgaggaggctg	aggtgggaag	attgctgaag	7680
cctggaaggt	tgaggctgca	gtgagctatg	attgtgcccc	tgcactccag	cctgggcaac	7740
agttagaccc	tgtcaaacaa	ggaaagagaa	cacttgatct	ggaaaacaac	aggccagagt	7800
cccagccacc	ttacttatta	gctttggggc	ctgggtcaag	tcaagacatc	tatgtaagac	7860
tcagtttttag	ttttttcatc	tataaagtgg	ggataaattt	atctctctgt	ttattctgct	7920
tctcaggggt	ttgaagccca	accagagtta	ttttaatgtg	gaagctataa	agaactataa	7980
aaatgctggg	tgatattatt	ttaaagtcc	attaaaggag	cgcagagatc	cttgccaggtg	8040
gagaaatgtt	tcagtgccag	tttgctctga	tgacactgta	tctcttagga	acatactggc	8100
tctaactacta	tcaccgaggg	ataaatcacc	ctggtttctt	ggaagtga	tataaccatc	8160
tccaaccatc	cgggttgatt	gaacaggatc	cagggtgtgt	actcagggtt	tttccccact	8220
gttttagacaa	cagggactaa	caaagtattt	gaagggtatta	gaagtga	tctgaccgag	8280
ggttgacctg	agcccaggga	ccaagccagg	aatagaaccc	aagagtccaa	gagttctgcc	8340
tctgagcctg	caattggaat	gagactttct	gcttctcttg	taataattca	tccaagtaaa	8400
ggcttagatc	ttagcatcta	tgttttaaaa	gacccaaatt	ttaagcagat	gataggaaa	8460
taagccataa	aactgtgaaa	gagtactcct	tccagtaatc	catctgaaaa	gtggcccttac	8520
aggaaacatt	ggctcttttt	tgtgtttatt	tgaacatgat	tttattttata	gggaaccccc	8580
cctccttatg	ttctttttaga	ttaaaatact	tccaagttcc	tctccttggt	ggagtgcgct	8640
ggcattccaa	gcgacagcca	cctaactttc	ctctgaaatt	tccaggcaac	ccaatagtcc	8700
tcaggaaggg	aggtgggggt	ggggcgagaa	gagggcgag	gactgcagag	cctttggcct	8760
caacatgagt	gttggtggacc	aatatcccc	actgcatttg	ttcactgtac	aagtatgtgt	8820
ggtttggaac	tgaataaaga	aaccttttcc	aaggcaacgt	tctgctggct	caggttgcat	8880
cttctggcct	acgtgtattg	ggccacactt	tgtctgttcc	caagtaaagt	ttatgaaaat	8940
ggcacagatg	cagccacact	tgaggtgcca	ctgaagctat	gtgaagagcc	tgctaccctt	9000
caaacagacc	aggcccaagc	aagggtgccaa	gccatgtgag	agtgccccagt	ccactgtgta	9060
aatgtgacgg	cctttgatgg	tagtgtttga	aaagatactt	agtagaaaagt	tgcagagacc	9120
cgggagcagc	catttcacaa	aagaaggcaa	aaataccttt	gagaagaaa	gaatgtctgc	9180
ctctgcacta	tgtatttgct	tgtttgtttc	tccaaatacc	atctgttgca	gactgggggtg	9240
catgacattt	taggttaagta	gcagatgaag	atttatgaag	ctgggcccctg	aggtttcctc	9300
taaaatattt	cttcaccttt	taagtcaaga	cccaaaagt	gggagagaag	taggagttgg	9360
cagaacttga	aatattttaa	ctaattttagc	aaagctcagg	agtgttgag	cttatctcgt	9420
tatttaagtt	agataaggag	gaaggggaat	ttgaaggata	atgatagatc	agtgtttaag	9480
aatacagcca	tcaggactga	taatgttctg	gaatcccggg	accctcggat	tgtgcacgta	9540
gatgtaaatt	ccatttgctc	tgagaacttt	tgaaaaagaa	agtttttggt	tgatttcaca	9600
gaaaagattt	atggtgggca	tatttgactt	tttcagtaaa	aatagcccca	aaacaccacc	9660
caaaatctgt	taagacactt	ctcgtgaatg	acctcttaga	tgtgaaatgg	aaatgggttt	9720
tcttaaggaa	aggccccctt	tgttaacaat	gtttgcatgt	tacttatgac	tctccaggat	9780
aaaaggacta	agactctttt	gggtcaccag	agcctgaatg	cagtcagggt	ggacagggtca	9840
gcaaaaagtc	tgcaaagagg	cggggtgtgg	tggctcacgc	ctgtaatccc	agcactttgg	9900
gaggccgagg	tgggcggtatc	acgaggtcaa	gagatcgaga	ccattctggc	caacatgtcg	9960
aaacctgtc	tctactaaaa	gtacaaaaat	tagctgggcg	tgggtggtgcg	cgctgtact	10020
cccagctact	tgggaggtctg	aggcaggaga	attgcttgaa	cccgggaggc	ggaggttgca	10080
gtgagccgag	attgcgccac	tgcactccag	cctggcgaca	gagcgagact	ccatctaaaa	10140
aaaaaaaaaa	aatagtctgc	aaagagaact	taggaaatgc	ttccattaac	tttttcatcc	10200
tagctgggtg	atactgcttt	taattactct	gctctgagag	cagccatttc	ttatacttg	10260
tattacacat	aggacatcaa	acagaattgg	cttgaattga	gcctttagg	aacttccaaa	10320
ggtaaagatt	gagtaaagat	tcaaagtgtt	attaggatat	accagtgttc	atttttttcc	10380
cactaatatt	ccattcaagg	caggagacta	ggctgatatc	ccatgtatct	agagtggatc	10440
aagtccaata	tttcttttcag	agttcctgtt	ccttaaaact	gtaaatgggt	tttatatttt	10500
attccatggt	tggcttaata	agaaaatatt	tttaattgct	acctggtaaa	attaacattt	10560
cagaaagatc	tgatatgtta	tcctgtggct	cctgcctcat	acttatctag	gaagttccag	10620
cacgctcctt	ccagatgagt	ccggtacgct	gtagtagcat	ccatatagag	gcagtatat	10680
ggtagagggtg	aaaagctgga	acttgtaact	gtttgaccct	aaggctctgg	ttctaactct	10740
tgggcatatc	tgtctttttg	cttggtgtaa	catctgtctg	ttgggacagc	cattgtgtta	10800
gttaacatgt	cagtttcatc	acgaaaaagg	cattacattt	cagtgaact	gaaaaattat	10860
tgctatatcc	agctgaagg	aagggaactgt	caaatatctc	ctctgtttgtc	caaacatggc	10920
acagtagata	tagtgacagt	ccctttatct	tctactcacc	cttgctgata	tatttgtgag	10980
gtgagagcca	tatattctca	cttctgtatc	ttgccaaacc	aggtccttcc	agagaatgct	11040
tgaaggtaga	tgggtcattt	tctcattcct	ccctctacgt	gagcaacccc	agaagaacac	11100
taagacctgt	gttgatgaca	ttggatgtct	cacttggctc	tgaatattaag	ctgatgaaat	11160

055008-0920  
FOIA b 7 - D

tataggatcg	gatattttat	tttatttttt	ttcaagacag	agtcttgctc	tgctgcccag	11220
gctggaatgc	agtggcacaa	cctcggctca	ctgcacctc	cacctcccgg	gttcaagcag	11280
ttctcctgcc	tcagcctcca	aagtagctgg	gatggcaggg	gcacgccacc	tcgccagcgt	11340
aattctttata	tttttagtag	agatgggggtt	tcaccatggt	ggccaggccg	gtctcgaact	11400
cctgacctca	tgatctgccg	accttgccct	ttcaaagtgt	tgggattaca	ggcgtgagcc	11460
accacaccca	gtcaggatca	gatattttta	agaagcatct	taacagtcct	tcatgcctta	11520
taagttaaaa	ttcctctcac	aggaacgtaa	gcagagaaat	cttattttct	gagacaggct	11580
tcttcctctc	cgctgaactc	taaatactgt	attccccctt	cactcaaagg	ccccagacga	11640
tgccattctc	attataacat	aacttatgga	aagctcagat	ctattgttgg	aaaaaatgca	11700
aagtgtgtgt	gttcatgcac	acacgtgttt	gagaaaaagg	tttccatttc	tgaaatccca	11760
agagtcattt	ttatgcaaga	ttatctgtta	ggaaaaaacc	cacttttttg	gtcatgggtac	11820
attataatca	tttctagaaa	ggagagcgtc	taatttttgc	catttttggc	atgcagagat	11880
gactgacttc	atagaaacca	cactatcctg	cttccaaaag	aaaaaaaaaa	aacctactga	11940
atttacctct	gaatcaacat	ctcttcaaag	tccagtcctt	gcattctcaac	cagcagggtcc	12000
ttgtgcaaag	aaaatgaatg	ggaagtgtga	tttgggggtta	ttccattttac	tttctgattt	12060
gggggttatc	cattttaaaaa	tgaaataatg	ttgccattat	acattctgtag	tcccttctgt	12120
gttcagtga	tttggttttta	aaactctaac	gtgacacct	atattacata	cataagataa	12180
gacatttgag	atttttggtt	tgaacttcaa	gaaaaaataa	aacggtgtct	atttcttttt	12240
gagaaaaaat	ttgtattttg	tgcattagag	aaggttgaag	agccatttgt	tatttgtgga	12300
actcctctgt	aaaggcattg	gatttactta	tttttagatt	ttcatgacta	tcccatgcct	12360
catgtttttc	ccttacagaa	tcattccact	ttgcccaaga	taaaattgaa	atctttaaca	12420
agaggagcca	gggtttgagt	cagctcccct	gtcccagag	agcttttagac	tgtaagataa	12480
ttctgagata	cacacaggac	atttggacta	gcagggactt	aaagactcac	tggtgtatta	12540
cagattatgg	ctcgggaagc	ctgaggggaag	gaaagatagg	tgtgggtgtt	ataattcacc	12600
cgtgggtttc	ttgccctgat	gtatttatct	ggtactcttt	tgccagtcct	cttctcaaag	12660
acattttctt	gctaaatttc	ttactaactt	gtcaaatgga	gggaaaataa	gattgaatta	12720
gtaaaacatt	cttatcacia	tatactctaa	aagaggctgg	gcgcggtggc	tcacgcctgt	12780
aatcccaaca	ctttggggagg	ctggggcggg	tagatcattt	gagctcacia	gctcgagacc	12840
agcctgggca	acatagtga	accctgtctc	tataaaaata	tacaaaaatt	acccgggtat	12900
ggtggcacgc	gcctgtggtc	ccagctactc	cagaggttga	ggcaagaaaa	tcgcttgagc	12960
ccaggagggtc	aaggctgcag	ttgagctgaga	ttgcaccact	gcactccagc	ctgggtgatg	13020
ggagtgaaac	cctgtctcaa	agaaaaaaaa	aaaaacaaaa	aacttttgtt	atattgggct	13080
tatataatc	aaattaataa	tgttacttat	ctatatcctt	agtggattta	ctttaataca	13140
ttgaggaaac	cgctttctga	ttagcagaga	gaatttgtac	atatgggttc	ttttagaaca	13200
gagggctctc	aaatacgggtc	tagggacccc	ctgcgggaacc	ccagatccat	aacctaaaac	13260
ctatttgtat	atattcatgt	acttatatat	gaatttatag	atataacaat	ttttataata	13320
gtattctcta	atgagtatac	agtggagttt	tccagaagct	acacaatgta	tgatattgta	13380
acagattgac	tgtagaagca	gatagggtga	tacagctggt	ttccagttag	caagacttaa	13440
gagatttaca	aaaatgtgca	ggtgccactc	tcctcacctt	ctgtgactct	gcatacatgc	13500
caccagccaa	caaacgtacc	tggttaattt	ttttgacaag	ctgctctagt	tgaaaaataca	13560
gtgattgata	atccatcatc	ttgctgataa	gtagcacata	tcggcaatga	tggtgtaatt	13620
cggactaaac	cgtaggagcc	gctgtaatgc	aatgcttccc	tttggcttcc	tgccaacagt	13680
tgtagccct	cctgggttgc	tcctgacttt	tactgggttt	ctagaagtaa	caattggaaa	13740
tattttatca	catatcagaa	agacctctta	caataattta	cctaatttag	ttcttcacct	13800
taacctacca	tcccaataaa	ttttaatttc	ggcagggtag	taagtgtaga	gcagattact	13860
tcaaagtgca	gaatcttgct	caaaggctgc	ttggttgtgt	ttgcactgcc	ctgactcttg	13920
caggtactcg	agaagggtga	tctgtttcag	aattcacttg	ccaaaacctc	aactttctcc	13980
cctagcaaa	ttgctggagt	aggataaacc	cacagtattt	ggataagctc	ctttgaactc	14040
ctttagaaaa	gcagttttta	tgaggcagtt	gttctgtgtt	aacaccagag	acaattccta	14100
gcagatttcc	ccaaacatac	ttcaaacatc	gataatggca	ggggtgaccc	aaactgtatc	14160
ataaaaatccc	agggactgca	ggagacttca	aaggggagac	agagcaaaac	ctcacttctc	14220
gttatgagga	gtatgggtca	caggaatcct	ggctagaatc	catggtaacc	tcgcggagta	14280
atgccaggat	ggacagaggc	cagggctcat	cagttcccta	gactttacta	attgacccca	14340
gcagcacagt	tagagtggta	ataactggca	cctgcccacc	tcctgaggtg	ttagaggcca	14400
aattaccaca	tgtgaagtgc	ttttctatcc	tttagtgaga	agatgcaaac	cttgaagtgt	14460
gtttctattt	ttgtttgaac	tatcgagggc	ccagtttaatt	cagttgagcc	aattctgacc	14520
ttgggatatt	cagatccatc	acttagtatg	actaggcaaa	ttgacagtag	aaattttattg	14580
agtcttgaac	tcctactata	tttcaggcat	tttaataagta	ttaaatactg	ggaatattta	14640
aataattgag	gacaaactgc	tctgaagaat	caccaagctg	tttgggttgt	gtgttaatat	14700
tcttaagcca	ctcttacgtg	ttcattaaag	caagtttccc	tatagttttc	ttgaagaact	14760
catttttttag	tgatttgact	tactctttat	tcttgaaaac	aacaaaattg	cattttgtgca	14820

0950060-09204

tatgggtatgt	gttgaggggg	gtaattacag	gcatttttttc	cctcattacc	gggtccggtta	14880
cagctccttg	aaaacaaata	gttatagttt	tactaattgt	ttataaaatt	agctaattgat	14940
cctttgattt	tttagttttt	ttatacctta	gctgtattta	ataaatattt	agtatcttct	15000
gtgcaattaa	taagaacaat	ggggggccagg	catgggtggct	caagcctgta	atcccaggac	15060
tttgggaggg	tgaagtgggc	agatcacctg	aggccagagt	tcaagactag	cctggccaac	15120
atgatgaaat	cctgtctcca	ctaaaaatac	agaaatcagc	tgggcatagt	ggcacacgcc	15180
tgtagtccca	gctactcagg	aggctgagac	atgagaatcg	cttgaaccta	ggaggcagag	15240
gttgacagtga	gccgaaatca	tgccactgca	ctccagcctg	ggtgacagag	taagactctg	15300
tctcaaaaaa	agaagaagaa	cagtgtttta	aaacctgtta	tttttacctg	aattattttg	15360
ctacgacaaa	tttatctttc	aaattagatt	ttatcaaagt	agatatgtat	tcactttttt	15420
aagttgaagt	ctttctaaat	gtctaaaacc	aaaacacagt	aatctcctgc	cctacctttc	15480
cctgattcct	gctccctcag	aggcaatcac	tttcaacact	ttgggctggt	tcttcaatgt	15540
ggaggatttt	acctttatat	ttcataaata	aaccaactgc	tattttctga	catcatttga	15600
cttcatgttg	ttatacatat	atgtttcctt	tccccatttt	tcagtacagt	tatatgatcc	15660
tttttgaata	acttagtatt	ccattttttac	gttattatga	ctgtgtaaat	agtattccca	15720
gtgaagcccc	ccaccaggt	cactttgatg	atgtttcctt	tttaaagtgt	gtgctttggt	15780
tttttctcct	tggagttagt	aactgctcct	tcagtattgt	ctgctttggt	ttctatatgc	15840
acattcgtaa	tttattctca	aatgcttatt	tagtttccac	atttttttaa	ccctgggcct	15900
agtaactcgt	ttttctttta	aaaagaaaaa	aaaaatttta	tgttcctatt	gctaatttat	15960
ccacaaacac	tcttctgtat	gtgtacaaat	gcactgagta	atttattggg	ttctaattaa	16020
attctccctc	ttgatgtcct	ctgctcccat	ctgactggtt	gttgtctagc	tatttttgtc	16080
tctaagctat	ttttctatag	tagtactata	gcagtactat	tctgagtttc	tttcttccat	16140
ttatttggtt	tgggtctttt	ctttcatgaa	tagagacagt	ccccagagaa	tctgggtgatt	16200
cttgactatc	tgttctactc	ctctttaaag	atgaggcact	aaaaagccaa	ttgggagctc	16260
ttggtttgag	gctgaggggg	ccttactgtg	gaatgatcaa	gtggggacct	gctgactctg	16320
ggctcctggt	gagaggagca	aaactgaatg	gggatgagag	aggggacctg	aagctctaac	16380
tgcttcccat	gcagcctttt	aaccaatctt	cctgttttca	cctcactcca	ggcctatctg	16440
ttttctcctt	atgctccagg	ccttcagagc	tacttgctgc	ctccatcttt	ctgaaatgca	16500
gtggaggcca	ccatcctaata	tagctttctg	ctttgtggct	tccactccct	caaggcttac	16560
atttcagcgc	cacgtgtcca	tctgcttttc	agcttctaaa	atattgttga	caccttctct	16620
ttatcctttt	ggatttgtgc	catttgtatc	cctttgcttt	cccttttagag	gggtctctgg	16680
actagatctg	tcatgtttta	tcagaagtcc	tataatttag	acttttctact	aatttgtggt	16740
tcctttcttg	gtgttctttc	ccctttaccc	ccaactagtg	gctctgaatt	agtgtgggtt	16800
tatgaaaccc	atatccattc	agccatgggt	ctatgtatta	tctcatttag	gcatcacagc	16860
agcttttgca	cagcatctgc	tcaggcagtc	tgtggctcct	ctttccccga	aagattgaga	16920
atacatctgg	tgagaagccg	ttgccagtc	cagccctgc	tttgagtctg	gtattgggtc	16980
ttaatctctc	attctgtgtg	ttgtaaagaa	acaggttgtg	gaaggctctt	gtcagatccc	17040
aggaacatga	aagaaatagc	acaccctacg	gtagtacat	ggccctgtca	ccacccctca	17100
ttgaaccata	aaagctattc	agaggggcca	gcagctgggg	agcgactgta	cttagatcct	17160
gggtgctgat	gggtgttttg	tagtttccaa	gggaagttgc	tgaaagtttt	cttatcttga	17220
cactccaagg	gcaagaggtc	tttcttcaaa	gagaagcgct	tgtttcagaa	aaagatgtgg	17280
aaaggacgta	aatcacaggg	ttcttcccca	gttctgaaaa	agaaatagga	aggggcaacg	17340
tggcagtcag	tgtgaaaaga	aaccacgcat	ttgcaggaag	caagaagggg	ttccgcagca	17400
ctgggtgctt	ccggcatctg	cagtgcgagg	gtaaacaggc	ctactgggga	gtcgggttggc	17460
cctgggtttg	agtcattggg	ctgctgcttg	gctgtgacct	ggaacaagtt	tttcccctct	17520
taatctctct	gagatgagat	tcctttgagt	catatgccta	cctcggtggg	tggttacgtg	17580
gattaaatta	tatcatgtat	ataaagcat	cagcctggca	tgtggcatgc	aggtagggct	17640
caagaaatgg	tgtcagtggt	aatattctcc	cctgaatggt	ggaatgttgt	gtgaagggtga	17700
aacaggggatt	gtgtccctag	ctcttactta	aattcaaccc	tgtccccgaa	ttcttgctga	17760
ccacctgcta	gagtgtgagg	actaggagtt	catgtgcttg	gctgggcttt	tgtccttccc	17820
attctctttc	ttcacacaaa	atgaacagtt	gaactcaggc	caccaaacct	ggttgagttg	17880
ctgggtggag	ggactctcct	gggctctgag	cctttgtgtg	tgggaaccgc	actggaaaag	17940
gtgtgcagag	gccacgaact	tgctctgaac	ccacttggtga	agagcagggtg	accccaaact	18000
attgttagtg	tctgctgtaa	atgatatgcc	tctgggttcg	agcagagttc	agccaaaagc	18060
cccacatgac	atggaaatct	gtcctggagc	caggtttgtc	gggtaaaagt	tatgtagcaa	18120
atgtctccaa	acattggcat	ctgttgtctg	ccgagactag	gacaaccgag	aatgatggag	18180
tgcttaagga	aattaggatg	gggcatgcca	ccctgtaaca	gctgataaac	tgtttcaggc	18240
caccgtggct	catccagctc	ttttgataaa	cagctttaaa	agcattacgt	ggtttggaaa	18300
gcattctttca	aaaatggtta	tattttccag	acgcatgaca	gtccactgtt	cagtattatt	18360
taagggtttt	aaattgtaga	atcagattcc	ttttcagtg	ggctcttgga	actgtcgagg	18420
gctgatctgt	ctgactccca	ccaggacaat	ctcacaacaa	tattattatg	taggtcgggg	18480

09050030 "091201"

tccccctaggt	ctgttaaaaa	aaaaaaagtt	cagggctaag	cgtttaagag	gaaaaactat	18540
ttcttttcatt	tctagctaag	tctgatgggc	cctttcaaac	actgctttca	tcatgcacct	18600
tttatttcac	gatttctgca	taatgaaaat	acaagatcga	taactgtgga	ttatcgtaat	18660
gccttgagcc	tttgaaaatg	aacattttct	agattataaa	tgttcccttt	gtaattcatt	18720
tcaaacttca	tcctcccat	tgtcctaatt	cccgaaattt	aactgttgcc	ttttgagcct	18780
cctaggaaat	tctgggtatc	ctttaggcaa	gggaggtagc	tcttggggga	atagcattca	18840
ggccacaggc	aattcatttg	cgactggggc	tcttcttaga	acatatgata	agtacaacgc	18900
actgtagtga	cagatttttt	aaaaacccta	ttaaagccca	atatacta	gcagattttt	18960
tttttttaag	tttttagagag	attcatggga	ttttattctt	tttcccaaag	gcagtgggtg	19020
agctgacaga	gtagcatgga	gcctcgtcct	gatgtattgt	gcggaagtgg	cagcagttca	19080
cattcattca	gtttgtcagc	ataggatcag	ttccttcttg	actcaactct	ctgtgatcaa	19140
aataagctat	tggtatgttc	ctttgggtac	tggaagcagc	ttggccctct	ggcaagagaa	19200
caggattgca	aatcacaaaga	gcagagccct	gactccagct	ctgatgctac	tgtgctttgt	19260
gaccttgtgc	agacagcttt	atatcccat	ctcaggtcat	tctccccc	acaaaggggg	19320
agagggtcat	ccttgccctg	gtcatgtctg	catggctgag	gtgaataact	agtttgtgta	19380
cttcctggag	gagtggcaca	gaggaagctc	ccttcctagg	gctggctctg	ccatcaggga	19440
ggaagctgga	tattagaatg	aagaaaaagc	ccatgcagaa	tatatggcag	cccagataatg	19500
gattctaata	ataaaaaagc	actagggttaa	tctgcagctg	tagtgtagct	aaagtattct	19560
ttggcagggt	gtggccctag	cctaataccc	agctggactt	agcaccattt	aagttagtta	19620
catctcatcc	ccgcaaggga	ttgagctgt	agccaatttg	gccttgtcac	cacttcagcc	19680
ctccctctga	tttcaccttt	gggaaaaacta	caaagtgccc	ccagacatac	atagcaggct	19740
tgatcacatg	ggtggagctt	gtcaggacag	catacatcaa	ataaaatgtc	cagggaacct	19800
gttgtaata	aaccacttcc	cgcatgtctc	gtcatcgtgg	aggtacttga	atgttttagtt	19860
tcttttagct	gatggccaag	aaatcaatgt	ttaaaaaaa	aaaaacaaaa	aacaaaaaaa	19920
caccttgaca	gaggcatttt	gtacaagaat	ggtgtgtggg	tgtgaaaaag	taaatccaa	19980
aacataattc	cttttagttc	ccaaaccctat	attagatgag	tacttcttag	ccttggccac	20040
agtgctagag	taaatagcag	tgtcacatag	ctcgtggaac	aggcaaacca	cagaatgtac	20100
aagagagaag	cgtgcacacc	agttagtctg	ctatggcagc	tctctttgtc	ctgggtttcta	20160
catctcattt	gtaagcaact	tgtgttctct	cattttcaga	gtttggccag	tttatttact	20220
tagaattgca	tggttctgga	atattgtcat	aaaagtgtac	ctgagataga	aaaagtcaac	20280
aggaagcagg	ggcatttgag	ttataagttc	tcagtctgtc	ttggcccata	ttaaagtctc	20340
attctcaggg	gtaggtccag	ctttccaaat	tttaatatat	cagagactcc	tgatgcatct	20400
gggctcatga	tgggccaaag	taggccttca	ggagtcctcg	tggtacacac	tcaacgccta	20460
atggagactg	gattcattta	cgtgtattaa	tgtaacctgc	gtgatcatgt	gagtgcaagt	20520
gctttgtaga	ttgtcctggg	agatgtggca	tattatgact	aaagacttaa	ttgaaccctg	20580
aacatgtata	tgaataactg	gagacagatt	gactggatta	cacatttttc	ttgaaaattt	20640
cctaaattta	gcctacctct	ttgttgccct	ttatttccca	gcttaagtgg	ttctctataa	20700
cactataatt	taaacaaccc	agaacaata	gtatacaaaa	gcatagacaa	gagggatata	20760
acaagagatg	gttttctgtg	atccgtggca	cctcctctct	accctgcctc	caccacccaa	20820
aggggcttta	aattaagatt	cggaatggca	aattcactta	ccagctccaa	acacagtaga	20880
caaggaaacc	ttgtgaggaa	aatccgagag	tatatattca	gtttctgttc	agaaatacat	20940
agcttaactt	cgaaggagga	agcgtgactt	ttcacctgca	gatagaacta	gggtctgatt	21000
tgaacagac	cactggcttc	actgaacccc	atcaaagaag	tctgcttctg	cccgggaattg	21060
gaaagtgcc	gtgggcatgt	agttgctagt	atgggatttc	tgtttttatt	tttaacaagc	21120
ttgggccc	ctcttagtat	caagatgggt	gaagacaaaa	ctgaccagaa	aaacacgtat	21180
caagtcagca	gtggctcacc	cctcagaggc	catttttccc	acctgctcct	cttatacctt	21240
tggtttgttt	ttgggttttg	attttttctc	tatgttctct	ctactctttc	tttctctatt	21300
ttgcttgggc	cttcgttaga	agagtcttag	taatcatttc	agacttccaa	aattcaaccc	21360
agtagcctca	ttttacaggt	ggacccacta	atacacacaa	gctcgatgtg	acaaaccata	21420
gactcacagt	taatcacttg	gagagcctgg	attcacctcc	gcgatgacct	gcctttccag	21480
ccctccagtg	gcgtcctctg	tagtgagttg	taaagtgtgc	actctagaac	attccaggaa	21540
agccctctc	ttgggctaaa	ctctaaaact	aaaatgaagt	cctgcccatg	tgagctgctt	21600
gtttaacact	ttggatgcta	atcagagcat	taatgagaac	acatggatag	attcggcagg	21660
tctaattgctt	gggaccttct	cctattttgat	tccataagac	taaattccct	ataaacactt	21720
ccctcctgtg	cacacacaca	tgcatttcaca	tacagcactc	acgtatccct	cccttatagc	21780
caaagaccga	aaaataaaat	ttttttttct	acattaaaaa	taagaccagc	tagtaaccag	21840
ggttggcatt	cccatctcct	gtggaacctg	gaaggactag	cagatagcta	tagagatctg	21900
tctccttttt	agtgtggttg	tattaagggc	aatcttgctt	cccatggcac	cccagaaaat	21960
ccaggagttc	aagtgggggt	gcactgtagg	aggactcagc	agctgtttta	tggaagggtc	22020
gtcagggatc	agactgaaga	ttttgctttt	gtgagaacaa	agtgaaatgt	gacattcagg	22080
agcagctcgg	ggcctatata	tagggggcca	gggcctgctg	ggatgggggt	ttacacttgg	22140



095008-092160

gggagcctca	aaaccagttc	cagatgttct	ctctccctat	attggccaga	aggggaatttc	25860
gggcaagcaa	ggaggcagag	agcttttgcc	cattcattga	gtacccctgt	ctgcaaactg	25920
tgtcttgctt	catggcactt	tagggagagt	gctgagcacc	tgggtccatt	tgggaccagc	25980
cagcccttcc	tgttcctcgg	ttagaggcat	gctgctccaa	gctggctggg	tactgcaagc	26040
aagagaagcc	cgccttcctg	ctgttcaggg	tcagaaagca	agaccgtgct	ggagaagtaa	26100
gtcaggcagg	ctaggaagga	gacctgcaga	tgacccttgg	gttaacaaag	caactttcac	26160
ggccctgttc	accaccagct	aggatagtac	agggctttgc	ctcccaatct	tgggagacga	26220
ggcatagata	gtaatggtca	actgatggcc	ctttactctt	gagaaactcc	acccagcctc	26280
cccttatcca	gaagaaagcc	attcctgact	aagcctggcc	attctgacgc	cttcttttct	26340
agtctgcacc	cagcctgtgc	tgtatgcggg	atatgatggg	agaaatttgc	actcttcatg	26400
ctttgatttt	aaatgcatat	tagacatttt	ggcattttgt	cctgaatgct	ctctgtatca	26460
tcttttttaa	aacatagttt	gttatgttaa	gttaaagaat	gtacaaatgt	aaacttctga	26520
aaatacatac	aatatatgat	ttcttagagt	gtatggacac	tgctccagag	gccttgcatg	26580
aattatctct	ttaatcctta	caaaacgaat	gtgatgggta	ctattattcc	cacttcaaag	26640
aagaaaataa	aaaggactta	ttctccctgg	gcattgacaa	gcaaagagat	taataatggg	26700
aacccccacca	gacatctcta	tgggtatata	tgtgtatata	cactagtata	catatatgta	26760
tacatagtat	acatatatgt	atacatagta	tacatatata	tatactagta	tatatatatg	26820
atttgacatg	aatgggagta	catatgttga	tgtctaactc	ttttcactcc	acaatgggtg	26880
tagaacgtct	ttccattcca	aaaatcattt	ttaacattta	cataatatta	taatacaaat	26940
attccataag	ctacttaact	agttcccatc	tgatggatgt	ttttaatttg	ttgctgttgt	27000
aagcatcctc	tacatatatc	ccatcttact	gtaataattc	tctccttagg	ctaaagtcct	27060
aaaactatga	ttgctggatt	taagggtgtg	tatattttct	gctttgaaac	acattgtgaa	27120
ttgccttcta	gggagttgaa	acaattttgta	ctcccaccca	cagtgtgtga	gaggactgac	27180
tcctccagcc	gtgtaccagc	tctggctatt	cattcattca	gaattcagtc	aagaattaca	27240
tgaagtagct	gcagtgtgcc	agatactgta	ctcagaacca	ggcattgtta	ctcttttaag	27300
tctttgccaa	tctgaaagag	tgagtatctg	tgttactact	tgcatcttct	tgagaattag	27360
aagcgttgaa	acatcttttc	gtgttttcagt	tggccatttg	gattttttct	cttttgtgaa	27420
ttacattgcg	tattcttttg	ttcaatcttt	ttaaaccctg	taaggtcaga	atttgtcttt	27480
ttagtgtgtg	gttttttttt	aattcttatt	tagtgttggt	ctaacccttc	caacagttgt	27540
catttagcca	gtttgtcatc	catgtaaagta	catatctttc	ttccagatat	taacaaagtt	27600
tatatagctc	tcttggtgaa	ttccgttcc	gtaagttaga	atctgcatca	tgactttata	27660
aaagaccatc	actgtgccta	cagttcttta	ggaatcgctt	tggcattaag	aatgaggcct	27720
cagccaggca	cgggtggctca	cgcctgtaat	cccagcactt	tgggaggccg	aggtgggccc	27780
atcacgaggt	caggagtctg	agaccagcct	gaccaacatg	gtgaaacccc	gtctctacta	27840
aaaatacaaa	aattacctgg	gtgtgggtgg	gcacccctgt	aatcccagct	actcaggagg	27900
ctgaggcagg	agaatcactt	gaacccggga	tgtggagggt	gcagtgaagc	gagatgggtg	27960
cactgcactc	cagctgggca	acagagtggg	actccctctc	aaaaaaaaaa	aaataaaaaa	28020
aagaatgagg	cttcagccag	atgttttttg	attatattgt	gcgtggccta	ttacatgggt	28080
tttatttttg	tttctctcta	tttcttagta	tttctttcca	ccagttcctg	ttgtaaaacg	28140
tgaccagttg	gtactgatgc	tgtacatcct	tgtattagta	aaaatcctgc	tgtgcctgga	28200
ggcagggacc	tgtttggggc	aggccttccc	aggaagcccg	tcctaccctc	tgtagcatat	28260
agtgccggac	cacccagcgc	ctcccactta	cctccctcac	tctttcattg	tgatacatg	28320
ggctaggttt	cctacagagt	cacttcaagg	atgtagatct	tatcctccca	attggattgt	28380
gagtttggtg	ttattgcctt	ttttgggtatt	cctcaaggat	gttcagaata	cctcacatag	28440
tgatggactc	agagtacctt	ttaaagagat	tttcatttaa	atcacaccat	tcagtaagtt	28500
gaccaagtac	atcaagagag	tcagaaagac	ccaagatcta	gtttggcctt	gccaggcata	28560
gcttctctcat	ccataaaaatg	aaataactagt	aagatacttc	cttatgtgaa	tcttgggagg	28620
ctcggagtgt	ccagtacaca	ttcagcactc	agtcagtgca	gctgtagaga	catagcgtgg	28680
accttggtgg	cccagcagtc	tcaatcctgg	tttcttctga	cctaagattg	gtgggaaagt	28740
acagataaaa	gctggttgag	gaggtgttga	tagcacagag	tgtttttacg	gagtgtcctc	28800
ggagggttac	atgctccttt	ttgttgaatc	cgaatctttt	tttttttcta	atatggagcc	28860
tcataatcat	tcaaggactc	agtgtgatgc	cacaggtttc	aaacttgcca	gttcgtctct	28920
tatgttctgc	caattttttta	aaagtgggaa	tatgagtgca	tgtgcacgtg	tacacacacg	28980
tgtgtgtgtg	tgtgtctttg	tgtatgtaaa	atgcttggga	taaaaaaaga	tggatcaaat	29040
tttgtctggc	atggcatagc	aactctcacc	tctagtatcc	tctaaacatt	taaccaaatg	29100
gactttaact	ggtttacttc	aattctattt	ttattttcgt	agtcatttaa	atgtatgggg	29160
agccaaactct	ttcaaatgag	acatttttgc	attaaaaacat	gttattttagt	ttaaccgcat	29220
gggcccggct	tcagcaacat	tgaggactgt	gaagaggggt	ctgagcggct	gttctctcct	29280
gacctgaccg	cagcagtgc	ccaccagctt	gcaatgcacg	caaactgaaa	caggcaggat	29340
ggccagccca	gggttgtctg	cacgggtggtc	ttggcatctg	taccttaggt	tgccagctcc	29400
tggccctcct	tgcctgcatt	tgggtggccct	tggccctgcc	gtgtcatatg	gcacaagagc	29460

2025-05-20 14:00:00

ccttctggcc	cgcacacccc	tgtgtactga	ttaggcagga	atcagcaaat	ccgttgagtg	29520
catgtttaa	gtgacacaga	tgtgggacat	actacagatc	tttctgcttt	acaaattttc	29580
agctttttgc	atctcatcag	tgttgcttat	tatttacaga	atgtaacttg	agacatcaga	29640
acagattgta	atcttttaaaa	agggtgttgg	gggggtgggc	ccgcagggga	tctgggagaa	29700
aaaatccagt	agtgtggaat	gttgtttgct	gtccagacca	aacaaaccag	tttgccaagg	29760
gttgatggac	tatgacaatc	agtccaattc	atgttaacac	tgggggact	taattaaaag	29820
gcagcttgac	ctccttatca	ccaaataaag	aataatcttt	tgttaccagg	ttgaccgtcg	29880
cagcaccagg	cagaaatgta	cccctttag	aggcactgaa	gggtaccacc	aagctgccag	29940
ctcgtgtcct	gcctccttcc	tgtccacaga	gaaaggcacc	attgaaccca	gtccccactc	30000
agacatgtgg	atattcttgc	ctcatgcctg	ctgtggcttt	acaccagggc	gctatggcaa	30060
gaggcgga	aaagaaatct	cttcttttgc	ccaaaatcc	aagatactct	tgagggcatt	30120
ggaatgatga	gccaggccag	tttgacacaa	gttcaaggag	aaggtagcat	ctcttgcttc	30180
tagaggggca	catctggcta	gagggtggcc	tggcttctga	gaaagctcag	ccataggtta	30240
catttaagg	caaacaatga	aaagcaccag	ctggctcgga	ggaagatgag	gaggagtggg	30300
tgattgggtg	cttcttttct	gtgtctagtt	ctaaagaact	taaaacttgg	gtccaaaata	30360
atgagagccg	tgttgtaaaa	atcatttgaa	gagagtcttc	ctggggaatg	tgagctagt	30420
ccgtgacctg	atcccttggg	cagatggttc	tgagctgttt	aagtgtctgag	tgtcaactgt	30480
ctacagggag	ccaggccctt	gaggagcggc	cagggttcca	agccccactg	ttcttttctt	30540
tcctggaaaa	gtgcagacgg	tgcacgttcc	ccggaggcca	ccaggcagct	ctccagttgc	30600
cctctgggtg	aacgtgaccc	aggctcgtaa	ctttctagt	ttccccccac	gttggaatga	30660
tcagcatctc	tgtattccag	gggttcttga	gttctttagt	tgttaccac	gcccctgctt	30720
tctctggctc	agattcagag	gaggagtctc	actgaggact	gcccgttctt	caccctctgg	30780
gcttcggaag	cagcacctct	ggctcccttg	caccagctcc	tcagtcttgt	ggccctgggtc	30840
tgccccctta	tcacatgtct	tgagcaccct	ctcagcacac	agcaccgttc	tgagcgctga	30900
ggtgcgacca	tgcataaga	agacaagaat	ccctggttcc	gcattggcttc	cctcaacacc	30960
tacgtttcca	ggccatggct	tgggttcaga	agaatcacc	tccttggaag	agatgagtga	31020
ctggaaggag	agcatgtcac	tggctccctt	gagaccctcc	caagagcctc	agtttctccc	31080
tctaccacct	gaagtctaac	tgcagggcct	gaaacagatt	ctcttttaaa	acccatgagt	31140
gtggtgactg	catagggttt	cattctctct	agttcttaat	ttccgtgtcc	ctagcacttt	31200
ttgaagcatg	tgtctctgtt	gcccctttct	ttctctctcc	accctctctc	atagtctctg	31260
ttttagtagta	gaaggagatt	taaaacctcc	aggctgagt	aacaggcggt	cttgaaaaag	31320
caaacaatc	gggtcaggca	cgggtggctca	cgctgtaat	ccccagcact	ttgggaggcc	31380
gagggtggcg	gatcacaaag	tcaggagttc	gagaccagcc	tggccaatat	ggtgaaaccc	31440
cgtctctact	aaaaatacaa	aaaaatttag	cgggcattgt	gccgtatacc	tgtaatccca	31500
gctacttggg	aggctgaggc	aggagaattg	cttgaaccca	ggaggtggag	gttgcagtga	31560
gccgagatca	caccactaca	ctgcagcctg	ggcgacagag	cgagattcca	tctcaaaaaa	31620
aaaaaaaaag	caaacaaatc	acaaagcagg	tcccctctgg	gggctggagc	atcctcatat	31680
ctgcttggct	ttggctcactg	aaagaggccc	tgggggaggg	ggcttcaggg	ctccagggg	31740
gagagggtgac	agttaggaca	cacgcctccc	ccacttcagt	caaggcagct	tcattgtcag	31800
cggttggtacg	tactaagatt	gtgttacaaa	cttcatttgc	agaaagtgtt	ttacccttga	31860
aatTTTTTTT	tgaagcgcc	tgtgtgtagt	tttattaatg	gcacttttct	aaaacttcat	31920
taattttcaat	tatgagaatt	tgatatctgg	tgtaattcat	tgagctgcta	gtttgatttg	31980
ctctagctcg	ttttaaaaag	ctctgtcagg	caacaggata	tggatgggag	tgggtcaggt	32040
gagtgaaaac	gttttaagca	ctccttttct	cagaaaacac	ctctgtaccc	acatgggggtg	32100
tgctcctcag	gagtcattca	gacagggtcca	ggagaacttg	tccccaggg	tgctccgtcc	32160
agatacaatt	ttaaatactg	cacttttcgca	ttttggtatt	ttcaatggac	ttgacaccca	32220
ataattctga	ataaaggtag	gaaagaggga	gatgattaac	ttttacaagt	acctactatg	32280
tgccaggcac	tatgctacac	attcttcata	ttttatctca	acattatcaa	ccaagtaggt	32340
attaagtctt	cacctattga	tgaggaatct	gaggctaaga	acaatctagt	aacttcttca	32400
gtgtcaccca	gctaataagt	gactgggatt	tcagcctgtg	tttgtctttt	tccagtctat	32460
gtttgttctt	ttatactact	ttgttcttaa	atttcatctc	ttctcttaaa	agagggtcaac	32520
tttgggagaa	ggtagataat	atataaacat	tgaagaaaaa	agattatata	atcatttgcc	32580
agaaataaat	ctgaaaatat	tgggctggac	acgggtggccc	acacctgcaa	tcccagcact	32640
ttcagaggct	aaggcaggaa	aatcatttga	acaaaaaaaa	aaaaaaaaaa	aaaaagtagt	32700
gaaaatgtat	ggtttattaa	tgtaatcagc	ttgttattat	tagcatgcgt	acttaatagc	32760
cacaaaataa	agcttaccag	agatggtgta	tttcggtcct	tgtgaaatat	cttgggattg	32820
gcattagagg	tgacagggtta	gcaagggaat	tgataatggc	ttgagagatt	ccaataagca	32880
ctacactctc	tgactcagaa	tgttctactt	agaacacaaa	gaaagcttac	aattgtaaag	32940
cgcttgtttc	ttccatgatg	ttgaaagtgt	caaaccactt	tataggttgt	ctactatttt	33000
gtaaaagcaa	agcaaaccga	gaatgcacgc	aaaaattatg	gccttttaaag	aaatccaagc	33060
cttttaggct	ccattcttac	tataacatga	tctattttct	tgggaattctt	tataaagtaa	33120

095005660  
T02160 2805660

ctctgccccct	cccccccag	ccattaacag	gtagtctcgc	ccctgaggca	gttgactaag	33180
aaaaaaaaatc	tggagtattt	ttgtctttaga	gtttaaatcc	caataggtgt	atctgttggc	33240
attagtccta	ccagctgtca	cagttgcagt	gtcatgggggt	ccccaaaaca	tgtgttaaat	33300
tatgggaagc	cttgaccctt	ataaacaagt	cagggtgtgaa	tcccaactgat	gggagaaaac	33360
ccagcccagg	aaatgtcatc	cctgctgctg	gatgtcaaat	tgctaaaaac	ttaacaatat	33420
caatataatt	tctaattgatt	tcttgaatca	acatctttct	tacattttca	atggcaatag	33480
tacaacatgg	gattttatgt	gtgttatgca	tgtatgactt	gagaactcta	gggagaggta	33540
agtagaatgt	taacaagaaa	gcaaagggga	aaggaaaata	cttcagtttg	aagcagtgag	33600
cctccccagt	aggaaaacta	agtacaagag	gttggatgtt	acaccctagc	ccatctttaga	33660
tcccagacac	ctcaactagg	gttcctcgtg	tgcacccatg	gcactctaaa	taatacacta	33720
ataaaaaagaa	taggtagcat	tttatcgagt	gcctattatg	tgctagactc	tgttctaagc	33780
actgtacatg	tattgactta	tctactcctc	acaacaaccc	atcattaccc	ccactttata	33840
gatgagaaaa	ccatcgctcc	aagaagtcac	ataatttgcc	tgtggttaca	gttcgtaagt	33900
gggtggagctg	ggattcaaac	ccactgggca	ggctggctcc	agagccgatc	ctctcagcca	33960
ttatatattg	ctgcctactc	tagtgcctcc	tgtctctcct	actgcttccc	tgctgtgttc	34020
ttgttgccat	ttctgttcat	ctcctccact	gaattgctgt	aagctccctg	gatacttaat	34080
tcatcccagt	cttcttcagg	acctagtgtc	ggcctctgca	tatgatagtt	tgggaaaggt	34140
tggttgaata	ggggactgga	ggaggcaggc	acaaaccatt	tgcagggctc	taagtaggct	34200
cgttttttctg	gctaccctag	tttggatect	tagtcagtaa	ttccatttaa	gaaccaatct	34260
ctactagcat	agggtttctt	tctgcccac	ctattttcca	tgtgtccaaa	atccaaattg	34320
tcccaaccta	cggattgaat	actatctttg	agtgggttct	agaagggtga	tttctctttc	34380
tcttgaaac	ttggggaaga	atcttctcatg	taaacagagg	caaacttttag	aaattttcat	34440
cctctaataag	agtcttctct	gattacagtt	tgcactgaaa	ggagtaaaat	ctgtttatgg	34500
agaagaaatg	cttttccact	tcgtcttttag	aagtagatgc	atgtggccaa	gaggagggag	34560
ctacacgtca	gaggtagttg	cagcctatgg	catgatggga	gctacaggtc	cgagatagat	34620
gcagcccaca	gcatgggtggg	agctacagat	ctgagataga	tgcagcccat	ggcatgggtg	34680
gagctacagg	tctgagatag	atgcagccca	cggcctgggtg	ggagctacag	gtccaagata	34740
gatgaagccc	acggcatggt	gggagctaca	ggtccgagat	agatgcagcc	cacggcatgg	34800
tgggagctac	aggtccaaga	cagatggcagc	ccatggcatg	gtgggagcta	caggtccaag	34860
acagatgcag	cccacggcat	ggtgggcctt	ttgggcttgc	agacattgta	ctgctgtgga	34920
taccagaggg	tttttcacca	attcgtctac	tctactgcag	acagtactat	ttagacagac	34980
tgccggggttt	ctcttagaga	aatgacaaat	gtttgattag	gccatttggg	caagaaccct	35040
ggatatcttgt	agctgttata	agtgaccagt	attggaagag	gtagtctgga	ttgaccttcg	35100
ttctcagttc	aattgtgcac	actcgagcac	agtatatatc	agtaagatac	ttgattaaaa	35160
caaaagccct	ggacacatac	ataaagtga	tgcaagcaca	acccatcaca	caacccttaa	35220
ggaagatggc	agccatcagt	tgaataaaca	ttctatgatg	ctaacgtcac	atgtgtgaca	35280
tacactttct	actcaactac	tgattgtttt	tgaacatcac	ttggctgata	gacattggcc	35340
atgacagact	tctcaacca	attaagctgt	gtaggggtat	gtgtatgtgt	gcacagcatc	35400
tgtcttaact	aacagacct	tgacatagtt	actcatcgta	taagctacga	ataattaatg	35460
cctggctaaa	tgttgacttt	caggctgaaa	ggcaagatca	accaagtgga	attggctgga	35520
tctccctgtg	tcaccttggt	tggatttact	gttgattttt	tttttaaaag	acatgagttg	35580
ttactactct	gatcattggg	tttgggcctc	cgggtgtatat	cagatagcaa	tggccagatg	35640
caggcacact	ctgtattgat	tgccctcact	ggaaggatat	ctgcagtgt	tcagccactg	35700
tatccacagc	cccttccctg	ggggaagagt	cctccatgct	gtacagcaga	ctccctgaca	35760
ttttcataga	gttcaaaagt	caagtgtggt	tgggtgctgac	attctggatt	agctgggtga	35820
ctggaaggac	tgcttctttc	tatacactgt	gaaatttgta	aaccgcagca	gctgagggtc	35880
taacatggcc	gacaagctcc	agctggcagc	aattaaatat	accgcagacc	tttggccaaa	35940
caaagggttg	tggaggcaga	gttgctgcat	gtgcgctgaa	cagactccta	ggttgagtgt	36000
tggttcataa	gagatgctgt	cgactaagga	gaggtgagtg	ggtggatttt	ggccacctct	36060
tgttcgggtga	tccattgtcc	ccagaattat	tgtatcaaga	ccctgcccac	gtagcagcaa	36120
aggtggctcag	aggaaaggaa	caaagccacc	agggaggccg	caggcctaac	agtggtgggc	36180
ctgagtcggt	tagacgttga	tctgctgctg	tagcaccaat	ggcaggatct	gcagctactc	36240
cacttttttta	aattttattaa	tttatgtatt	tattgggtac	cactatgctg	taggctatag	36300
gctgaaagga	gaagatggga	atgaaaaaac	aataagaaga	cattttaatat	ccattcaagc	36360
agcaaagatt	caagagtcta	gaccagtgtc	atccaaaata	caatttaaat	ttaaaattca	36420
gtccttttagt	tacactggcc	acatttcaca	tgctcagtag	ccacacgtgg	tcagtagcta	36480
tgtattggac	agtgcgtgtc	tagacaatac	caagtgttgg	atatagatcg	ctagggcccc	36540
ttaaatgcct	cattggcagg	aatgtaaaaa	tggttcagcc	acttcgaacg	cagtttggat	36600
tatcttggtta	agtgaacgtt	tatatcttgt	gagccagcaa	attcccccta	gatagattct	36660
caaagttcac	caggaaacac	gtacaggaat	gttcataata	gcatcatattg	taatagcaga	36720
acctggaaga	aacccatgtg	ccatcaacag	gaagatggat	atatcatggg	atagtcatac	36780

095000-09160

aatggaatat	gaacaaagca	gagacatggt	gaattaatca	tggctacaca	caaaagaata	36840
cctgaatctt	agcaatgtga	cagcgacatc	cttttttcaa	agcccaaaac	taaacccaaa	36900
gaacataaca	agaatgtact	ggagcatcct	ttgaaatgtg	gtaaggctac	ataaaaaaga	36960
aaagcacagg	aatgagaaac	acaagattca	gaacagcggc	tgccttagtt	aaaggaggaa	37020
cagggatttg	gggtggcaga	agaccaactt	gtggtccacg	attgagtgat	ggagtttttt	37080
tttttttgct	ttcacagatg	tttattttcaa	ataaataaag	agagcccaat	gatgagagtg	37140
ggccttgaac	tgaggataat	aagcccagtc	ctaaagacca	gttattaaaa	aaaaaaaaaa	37200
aaaaggactg	gccgggtgcg	gtgggtcacg	cctgtaatgc	cagcactttg	ggaggccgag	37260
gcggttgat	cacgaggtca	ggagaccatc	gtggctaaca	cggtgaaacc	ccgtctctaa	37320
taaaaatata	aaaaaattag	ctgggcatgg	tggcggggcg	ctctaattccc	agctactcgg	37380
gaggctgagg	caggagaatg	gcatgaacct	gggaggcaga	gcttgacagt	agccaagatt	37440
gcaccatttg	actccagcct	gggtgacaga	gcgagactcc	atctcaaaaa	aaaaaaaaaa	37500
aaaagactag	agtccttttc	ctccaggtgc	tcataaggctt	actggaacat	acaggaaagt	37560
cacttaaaaa	tggacacact	gtcactgagc	atgaacaaat	gtaggactgc	tgttacatgg	37620
tcatactcgt	ttaaaaggcc	tacttgaacg	tacagtgtca	catcaacaga	tgaagaaaac	37680
agcgtcgtca	cacagtggcc	tgggctgaag	aacttcactt	taaacttttt	gctggcttac	37740
gaggtttgaa	aacactagct	tactgttagc	tttttacatt	atttttagtaa	ttctttaaga	37800
ttggaactaa	atttgttcat	atgcagtgc	ttcaaatact	ctccccctac	ccacagccta	37860
ccaacttggg	cctgagaagg	taaattttta	gttgagtttt	agagaagaaa	gaagagtttt	37920
tcaggcactg	acattgatga	ggtgatacag	gagtgggggg	aaaattcctt	taatccagct	37980
ttctgcttct	aggaagagta	tgccttctgg	aagtccttgt	attcataaga	ctgtaacaga	38040
agatgttttc	ttttagggtg	aaattgaact	catctgtcct	ttcttccatg	ttgatgtgaa	38100
aaattagcct	tgaatgccac	agtgcgtcct	cctagtcagc	agtgttgagc	actgaatcca	38160
accttgccct	tgatattatt	tgatcaaaaag	tcaagaacct	tggaaatggg	aagatagttt	38220
gtggcctgtt	gtgaagacag	tcaagaaaag	aaacataatg	atagtcagtg	tgtatcctca	38280
ggggagccac	tctgcttttg	tattctctga	tgttttggtg	ggtttgcagt	ttacaggtta	38340
aaaaataatg	tattgggagt	gggggtgagg	ttggatcact	gaaacctggg	taaggctctg	38400
agggagtcca	ctgagtcagg	aaataactgt	ttactactaga	aagctgtttg	atcgtgtgag	38460
aagatcaaca	aggtgagccc	tttactccca	ttctcaacta	ttctggagct	gtcatgagat	38520
taaattttta	agagctcggg	tccagaaaaca	agccatcttt	cgttggcttc	tctggcttcc	38580
tcggatccac	cagaggcatt	taggacttca	gcaagttttc	tcctgcctgg	tagcatgttt	38640
tccttcagct	ttgagtacta	atgaaaatcc	tgcttcatgt	aagggaaagg	cctgtcatca	38700
gtgtccgctt	caggacactg	ccgtcatgtc	cctttctgtg	ttttgatcag	tggggcagac	38760
agagacagcc	ttgtcctttc	tgtcaggaag	atggggttct	agctgcttca	tattttgcct	38820
caatgttgat	tttgcttttca	gggctcaaaa	tccttagtct	tcaaactctc	caccaaagct	38880
tgcatactgg	ccttcctggt	tagctcaatt	aatggccctt	ataccgtctg	ccagccacca	38940
ggcactcact	cgtttattcg	gcttatcctg	actgctgctc	taccataaac	cagacactgt	39000
tctccatccc	aggaatgcag	tgaatgaaac	aaattccccc	tctcctggag	cttccagtc	39060
acatgggagc	caagcagtaa	ataacatgtt	tatccacctg	ggatggaaag	caaatgtgct	39120
ttgagcagat	gactgacttg	atgtaactta	cctttttttt	tttttttttt	gagacagagt	39180
cttgctctgt	cgcccaggct	ggagtgcagt	ggcaggatct	cggtcactg	caagctccgc	39240
ctcccagggt	catgccattc	tcctgcctca	gcctcctgaa	tagctgggac	tacaggcgcc	39300
cgccactccc	cgccccaccc	cagctaattt	tttgatattt	tagtagtatt	tttagtttca	39360
ccgtgttagc	caggatgatc	ttgatctcct	gacctgtgta	tccatccgcc	tcggcctccc	39420
aaagtgtctg	gattacaggc	gtgagccact	gcgcccggcc	gatgtaacat	cttttgaaag	39480
ggccattctc	attgccatga	ggagagtggg	caaggtatgga	aggaaagaga	acaaattatg	39540
agactactgt	aataatatat	tacaaatcca	gggactcctt	gttagttatg	atcgagatgg	39600
agaaatagtc	agatttgagg	tatatattga	atgtgagcct	gcaggcctcc	cagttgattg	39660
gggaagatat	gttgagacga	gtctgaatca	aaccttacgt	tgaaagtgat	gaggaagcag	39720
acctgcccat	attcctcttg	gagagccttt	gggcttctac	catgtagcct	gacagagagg	39780
tcagcaggac	tgccttgggg	aaaggatact	ttattagcct	gtgtaggcag	ttattggaat	39840
gacagcaagt	gctttgctag	gcaaggagat	agaacagag	ctctgctacg	tggagaggca	39900
cgccaagctc	cttcccccaa	ccccgctgcc	tgcagagggt	accagcatcc	tctcggcagc	39960
agtcgtccag	cttctctcct	gatgggttag	cagcggcccc	tctaccgccc	tccccacttt	40020
cgatcgatat	ttgggctctg	agtagccaac	tgtgaagcctg	cgtcttgaag	gaaaaattga	40080
gactggcggg	gtgtgatata	aacacaatgg	gttttttact	gttttttact	ctttccctta	40140
gtgcagatca	ttgaaacttc	tataaagtct	ctgtaatacc	cttagagagt	acaattaata	40200
gtactgaaga	cgtccttata	actgaacttt	tgtaaaatta	ttgctggatt	tttgtctttc	40260
cagcacacat	taaacctcac	caaggatatg	ggctgtcctt	cagatgtcac	agcctgatga	40320
actgagtgtc	gacctggctt	tgggagcact	tttcagttat	cccagctgtg	catggcccat	40380
tgcatggcct	gtgacaattt	tctgggggtg	tttctgtcca	tatttccaac	ctgacttgcc	40440



09500309160

gagtgaaaac	cccacgaagt	ccccagtgcc	ttggtgactt	caactttatt	ctcccagatc	44160
gagttgcatt	taatttttgc	attctattta	attaattaat	attaaaaaga	tagttaccaa	44220
cgtatgattt	ctggtctggc	cagctgaaaa	gtcttcactt	tcaaattaat	catatattcc	44280
tctgataagt	tgcacaattg	tcattgcttc	ccatctttct	cagttttggt	tttgaaacag	44340
gatctggatt	aagatgatgt	taaagtaaaa	tttgcctat	atggtgaaat	taatttttct	44400
ttctaactca	tgtctcattt	gtagccagaa	actcattttc	ttttttttta	ggtacctatt	44460
ttattttctaa	tactgcatca	cctataacgg	tgcacaccag	gctggtgagc	agtaggggtg	44520
ctcctgcctt	ttaaaaaatg	ctcatgagca	acccacatga	cctacgaagc	tgctctaattg	44580
tactgctttc	tggaattaag	acaattttaa	ttgtactttt	aaaatatagt	tttagaaagt	44640
aacattttatg	ggattttttta	aatacagaaa	agtataaaaa	ataaaagtac	cctatgcatc	44700
caccagccag	ataagttggt	cctcttttca	attttttgta	gagatgaggt	ctcgccatgt	44760
tgcccaggct	ggtccgaact	cctggcctca	agtcacctc	ccacctcagc	ctcccaaaga	44820
gctatgaggc	caaagtggga	ggatcgcttg	aggccgggag	ttcaagacca	gcctgagcaa	44880
catggcaaaa	ccccatccat	acaaaagtta	gccgggcatg	gtggcacaca	cctctatccc	44940
cagctacttg	ggaagctgag	gtgggaggat	ggtttgagcc	tgggaggtca	aggctgcagt	45000
gagctgagat	cacgccactg	cactccagcc	tggtgacag	agtgagaccc	tgtctcaaaa	45060
agatactcat	atgcatgggt	agcaaattcca	agagtataga	agaaaataaa	atcaagagta	45120
aaagtctctt	ttcttatcta	ctttgtaaac	atgctgttta	cgatttttgt	atcttgtctc	45180
cttgagaaat	ttcacagaga	gagagcaatc	aggaaaattt	ttgagcgcac	catataatat	45240
tgatttcta	agcatatcat	tataaatata	aaccttatag	taacatatgt	agtctcaagg	45300
actatataatg	tttcatttct	tctgaggaat	ggaattagaat	ttattagctt	ccatttctta	45360
aaccaggaaa	taatgtacta	gtaactgttg	acacttacag	aattggccat	ttgttgatac	45420
acctctgaat	taaaacttgg	atttggcaga	tggtctcagct	actctgataa	agttaaaggt	45480
ttgctaaatc	tttaaaagct	aaatcaggag	ttctaagaga	agttttcaac	tttcctactg	45540
gtaacatgtg	tccagcatcc	aaagttgcct	gtgcaactgg	aaatttcttg	ccttacccta	45600
atgccagtgt	cattttctga	gacagactaa	cgcatacatt	tattgaatcc	tactatgtgc	45660
caggggtgagt	aagaaatttc	ctctgtcctc	agtgcgttca	cagtttagca	ggggaagcag	45720
acactgtatt	accaacaacc	tataacatat	attgtctgta	aaatagaagt	atgagcaacg	45780
tattatggaa	ccacagatgg	gaagtgatta	atttatactg	gaaagccagg	gaaggcttca	45840
cagagaaggc	gctggatgag	tcgcctgacc	ttgcaggagg	cggagggaatg	tgccaaggag	45900
agaaggcgcc	tgggcagagc	acagtgctgg	gcagatacac	gggacagaag	agctcacggc	45960
aggctctgggg	aatttggggg	cagctttttg	tagcagcagc	acgtgtggaa	agaaggagca	46020
gaggctggaa	gggtgggttc	ccaggcctgt	tgctgaaggc	tgaccttagt	ggtcatgccg	46080
aggagcttgc	ctctcctgta	ggtgggagtg	agattgtgag	gaagaggatc	ccactcaaaa	46140
ttcgtcatga	aaaataaaac	cttgacagca	gcaggtagag	agactgaagg	caggaagcca	46200
gttaggaggg	ccgtgggata	gtccaggtag	aagggtggaga	ggcctgaaca	cagtggccgt	46260
aacgatgact	agaagaggac	agattggaga	ggcatttagg	aggcagcatc	agtggaaacc	46320
tcaactgcta	aattggaatc	tgagtgagga	ggaggggtga	gagtggcttc	gggctccttg	46380
cctgtctggt	tgatgaggct	gggggtgctg	aagagcaagg	ggtggagaag	gagcatctcc	46440
ccagtggacg	agctgagggtc	ccctgaagag	ggcctggcac	tcagagcgac	actgggcca	46500
gacatggagt	cagggccata	ggtggacctg	gggtgggtta	cgcctagggg	tagaggagcc	46560
tgttccagga	gctctgagtc	aggcttctga	ttttgaaatg	actccagagg	gagtagaatc	46620
aggatatata	atgagttaat	atcgaaaaaa	aaaaaaaaga	gcaggaggaa	aattaagtag	46680
agtggctgaa	acagttactt	ggcagatttc	tccctgagag	aagctggtca	tgagtctgtt	46740
ttccatgtgg	ccttctagag	agacatctct	ctccaatctg	ctgatgagag	gatgtgtggg	46800
gaaaggaggg	gtcatccccc	acagggtttg	ggtaactggg	cacctgttct	caacagaaga	46860
gctaccatta	actgcggatc	tcttctgtgt	ggggcacgta	gattagctca	caccatcaca	46920
gtggccctgc	agagtagacc	catgggggttc	tacacatcag	gatggggaag	ctctgggcaa	46980
agtgagaggc	ggagacgact	ggcatcaggg	tggttggttc	ccctggcgag	gctgcagtgt	47040
ggcttgggag	gacgttgtga	cctgccccag	aggaggcctg	aggctgctgt	tgatgtacc	47100
atggctgctg	ttgttgagaa	tgccccgtgg	ttcatgggtt	atggatgaca	ttagtgtgg	47160
tgcattctac	taaggcggca	ctggctcctg	gcagattcac	ccactcttag	cacctgtcat	47220
cttggaanaag	ggtgtaagct	ggtgctgcag	ccttcccttc	tctcagaaga	aactttctga	47280
cactgagccc	caagcccaga	gtatcctctt	tctctcctta	aaggggagtt	aaaacttttt	47340
tctttcttct	tcttcttttt	ttttttaata	gagatggggg	ctcactatgt	ggcccaggat	47400
ggtctcaaaa	tccctgggctc	cagcgatcct	cccacctcag	cttcccaaag	tgctgggatt	47460
ataggtggga	gccaccatgc	tctgccctaa	gagttgaaac	ttttaaccga	ggtttaagaa	47520
tagtataaaa	atcctatttt	ttaaatagaa	tcaattatag	tatctacagc	aacctaaaat	47580
gtgtcaactg	aatactgagg	tgacttctct	aggtctcaga	ttggaaggat	aaagcttatc	47640
tgatgctgtg	tgtttctggc	tgcatttttt	tgctcccctt	tcctctcagt	taatagcaga	47700
tcagagaaca	gaaggagttt	gctcagggcc	acctgagacc	acggtggcct	tcttcccttg	47760



51480  
 51540  
 51600  
 51660  
 51720  
 51780  
 51840  
 51900  
 51960  
 52020  
 52080  
 52140  
 52200  
 52260  
 52320  
 52380  
 52440  
 52500  
 52560  
 52620  
 52680  
 52740  
 52800  
 52860  
 52920  
 52980  
 53040  
 53100  
 53160  
 53220  
 53280  
 53340  
 53400  
 53460  
 53520  
 53580  
 53640  
 53700  
 53760  
 53820  
 53880  
 53940  
 54000  
 54060  
 54120  
 54180  
 54240  
 54300  
 54360  
 54420  
 54480  
 54540  
 54600  
 54660  
 54720  
 54780  
 54840  
 54900  
 54960  
 55020  
 55080

tctgctccca	aaatgggatt	cttcagtgc	ccaaatcgaa	gaaagcactg	gagctcacgc	51480
tggtttctcc	attgtttctc	cttaacagtg	gaaaccgtaa	cttttgttct	agtagcatct	51540
agcatgctca	ataattatct	gtaataaaaa	gttatacttt	ccctccaaag	gggacaaggt	51600
attgttatga	caaggctttt	aaataataaaa	gctcctgcga	atagctaacg	ttcctagagg	51660
gctggctgtc	ttgtgggttg	tctgatcact	gtgttgctgt	catccccctc	tcactattgg	51720
tcatagcagg	tgattcattc	aaggctacac	agctgacctt	gaggagccgg	ggttcaaatac	51780
cgagtggctt	ggcaccagag	ctggctgcag	agcctcttgc	ggatctgtct	ctggccagtc	51840
ggccctggag	gcttgccatg	acaccaggt	gttagtcctg	ctcattctca	cccggcatac	51900
ccggattttg	aagcttgc	tcaagaatga	tacattaatc	aaaagggcct	gcccacctct	51960
gctctctcta	tgatcgga	atagcgccag	ccttattggg	cctctctcct	ccggagtcc	52020
ttggcctccc	cctgctcatg	aatgcatttg	ggcctgtttg	gacttggtga	aggctcccgt	52080
ggggctcatt	gcttaagtta	gagctggctg	atgaagaggg	cgagcacctc	aaagtgtgag	52140
tatttctcca	gatcccttca	ctgtagcagg	tgggcagcct	cgcccaactat	acttctgccc	52200
ctttcaaagc	aggtgggcag	agaggtgttt	gtggtaaaga	agacctagag	gcttttgttc	52260
gctgattctt	cttccctcat	cagccatcac	cagaccttag	atgtgaatcc	cccatctctg	52320
ctcttgggtc	tacctctgca	gatcagttat	ggcctgtggg	gggagttccc	aaatgtcagg	52380
tgagtatggg	ttggctgtac	agtcctgggg	aatgtttaaa	aagaccggct	gggcgcagtg	52440
gctcatgcct	gtaatcccag	cacttttggg	ggccgaggcg	ggcggatcac	gaggtcagga	52500
gttcgagacc	atcctggcta	acacgggtga	accccatctc	tacttaaaaa	aaaaaaaaaa	52560
aaaaaaaaatc	gttagctgtg	cacatgcctg	tagtcccagc	tactcgggag	gctgaggcag	52620
gagaatcgct	tgaacccggg	agggcgaggt	tgccagtgaac	caagattgctg	cctaggcgac	52680
agagactccg	tctcaaaaaa	aaaaaaaaaa	ttgcagggac	ccaccccgag	cttgtgagtg	52740
cgagtgaagc	aggagcagcc	ctggccatca	ctgtttcttt	gacgtgtaca	tcccatcctg	52800
agatgcagct	gggctgggag	ccgccacctg	ggtggatctg	attcctggat	ttccccatcc	52860
tggggacagg	tgacccatcc	tgttctcctc	cttaggtcca	tgtgaaatct	gaggtccttg	52920
ctgtcaagtt	gtcacaagaa	ataaactacg	caaagagcct	ctactatgaa	cagcagctta	52980
tgttaagact	cagcgaaaac	cgagagcagc	tgagagctga	ctcctgaagc	cccgtgctg	53040
agatgggagc	tcccgacaca	gcgagagacc	accagagga	aagaggccca	gctctcagct	53100
gacgatggag	gcagaaacgg	agtcgggttt	ggggaagttg	tcaaggaaatg	agggaaagta	53160
aatcctcatg	aggaaaagta	caaattggaaa	tctgattaat	ttgtgaggca	gggagttatt	53220
ttagattatg	ggaaataaatt	tttaaaggta	ttggttaaat	aacgtttaaa	aacatgtact	53280
gagatgaatc	taatttttag	attgccctgt	attttgttaa	catgtatata	tgtacaacag	53340
tgtgtttgta	aatatatagg	aacgtttctg	aacagggtct	gtgctatgtg	taaaggtttg	53400
ttactgtaa	agtaataata	agttatatgt	gatcttctat	tgcactaatt	ctagatgtct	53460
aattcaggat	actgtctata	gaaaggcatt	cttaaaagtt	aaagaatggt	acgtcttagt	53520
tttgagagct	aaagtattcc	cagtaaagtg	ggttgagggtg	agggctgtgg	tcctgaaagg	53580
gacgcctttg	acatcgtggc	tgtccagttg	ggctgtgagc	tgtggcacc	aggactggcg	53640
ctggcccttc	agaaggatct	aggagagggg	cttgggagcc	cacttttaat	ttctcacc	53700
cattttacaa	agagtgccta	gattccttaca	aattatgatg	taagttatcc	atttggcttt	53760
ttcctaacta	gtcttaccaa	acttaggggg	aaacctgtgc	tccattacca	catgggtgca	53820
agtcagcatt	gtaagttttc	tcaggttatt	attattagag	aggttgga	cattggtaaa	53880
ctctgttgat	tgagaaggaa	aaaaaaagtc	ccattgaact	gttgcaacaa	atcagaaatc	53940
cacataaaag	tgctctcctg	cctgggcagc	aacaaccaag	aacaaagccc	cgggactggt	54000
ttctttttaa	taaagccaca	ggcaggcatc	gtagctccac	agcccagagg	gacacaggat	54060
ggaaacccca	ggatgagaag	ggagcaggga	gagttccaga	aagggggatg	aaataggagt	54120
attaaaaagc	tgcggttgga	agtttttcat	ggaaccaaga	tttgacaaag	gcatctctta	54180
tccttggttt	taaattcctg	ctgggagcaa	ggcctgggat	gagcgccctg	ggtcctgttt	54240
ttgggtgttc	gcttttctgt	aaggattaag	cagatagggg	gaaggga	ggggcctcac	54300
tttagaatga	atgagtcacc	ttgtgatttt	taaattttta	ttttaataaa	gctaataat	54360
ttctacaacc	ttgtcacatg	tagctgagtc	tgggatgact	cagtggatca	gtggatgcgt	54420
ggaagggttt	ggtgtttata	actcatgacc	caaactcctc	caagacacaa	atgaagctaa	54480
tcttcttccc	ctccctttcc	tctcccactt	ccccctctgtg	tctgtgtctg	tgtgtgtgtg	54540
tgtgtgtgtg	tgtgtgcg	cgcgcgctg	catgcagaga	ggaaggaagg	gagcttttagc	54600
acaagtagct	acatagtgtt	caaggatcag	ctttcttgaa	ctccgaggct	tggttgccct	54660
tgctgaactc	caagttagt	gattgcagaa	tggaacttg	gcttttgcg	cactgggtga	54720
gttttagttt	gtgtgtgtct	tgctggggg	tggtgatgat	tgtctcagca	ctcacgcact	54780
gcacaagatg	gcagcaggat	acagcactgc	acaagatggc	agctcctctg	cagcttctctc	54840
ctcagcctcc	ctccttgcc	ccccacaggt	ttggcttgtg	gtttttgtca	tcagtaacct	54900
actgcctgag	atcatgatct	cttaaaagat	gagactctcg	gaagggttga	ttgtatgcgt	54960
cagtgagcct	tctatcacct	tctggaacaa	agtcacttga	aatctcttga	tgagattaag	55020
gagtttagtg	ttactaagaa	aatctgcttt	gggccgcagc	agtgtgtggg	gttctcagac	55080





ctgccccgccc cagcctccca aagtgcctggg attatgggccc tgagccactg cgcccagcct 3780  
 ctgccttata tttcatagga tgccatcatc ttcaaacttt ccccgaggc ccaattttct 3840  
 agtctcctgt tgatttaatc ctctatctgt atcctctcct gatcgctcgt aggctgccc 3900  
 agctctggga tcgaaaaatt ggccactgtt aacctctcag cttttctctg attttttttt 3960  
 tttttttttt ttgaactgga gcacacttta cttctgacta acatgtaaca tatatcctct 4020  
 gactctggac ttaatgggca aatctgcagg atcctcttct gtgagttggc ctgtctgtgg 4080  
 cctctctggc acagagatta atagaatggc cttaaagttat cattccataa tcaaggggtt 4140  
 tggctttaaa tgcttttgc tttgtcctcg tcaggttaca acagcccttg tctttttcac 4200  
 taggtatcat tgggtggactg accagtgtta taacttcgac agtggaagggt gtgaaaacag 4260  
 aaggggggtgt cagcgggttc atactctggc ttggaaaagg gcttggtggc actgtaacca 4320  
 agccagtggc aggcgccttg gattttgcat cagaaaacag ccaggcggtg agagacacag 4380  
 ccacactcag cggccccagg tcagtgggtgt gggaagaatg gcttttgtag tttccagcct 4440  
 aggtctgctg cttctcctaa tccatactga tgtgtttaat tgtgcacttt cttagttata 4500  
 ggggtttttaa ttcaaatact tgtaactgaa atttctgac tgcctaatat aaaaagatga 4560  
 aaatgaggta cagaaacctg gcatgaattt tttcagataa atatatatat agcatatttt 4620  
 atatatgcta tatattttat atatgtatgt atatatagca tattatatat aagtatgtat 4680  
 aactatatta tgttattttt ctccattaga gaggtcagaa ttaggattaa actgttagaa 4740  
 gcttcttctg ttcaccaagc caactggatc cccacatgcc tatgaagaaa actgtcagat 4800  
 tg 4802

<210> 2137  
 <211> 274  
 <212> DNA  
 <213> Homo sapiens

<400> 2137  
 ttttttttga gatggagtct cgctctgtca cccaggctgg agtgagtggt cgcatgtctg 60  
 gctcactgca agctcagcct cccgggttca ggccgttctc ctgcctcagc ctctgagta 120  
 gctgggagca caggtacctg caaccacgcc cggccaattt tttgtatttt tagtagagac 180  
 ggggttttcac tacgttagcc aggatgggtc caatctcctg acctcgtgat ccgccccgct 240  
 cagcctccca aagtgcctggg attacaggcg tgag 274

<210> 2138  
 <211> 425  
 <212> DNA  
 <213> Homo sapiens

<400> 2138  
 tccccactgt tgttgttcac catgtgggtc tgttccttct taattttcct tccgcttgaa 60  
 agtatcagcc ccaaccccat aaagaaaagt gccaccccc atccccccag caggtcagca 120  
 gttctgctgt gggattgctg tctggccttg ataccagctg agactggaaa tcagggacag 180  
 cccatatggt tccaaacccc acagaaccca actgctttta cgtagctgtt tgcttgaatg 240  
 gcctatttta gcctcccttt tccagagtga ctaattgggg attcttatca acaaagggtg 300  
 taatgaatgt taagggccca gccaaagctag actcgactta agcccagaag gattttgctg 360  
 ctgcttgat aatagatttt cctgagtgga attagtacgc ccttttagaa tgcctagggc 420  
 ctggc 425

<210> 2139  
 <211> 16037  
 <212> DNA  
 <213> Homo sapiens

<400> 2139  
 cgcggcgagc gcagcagcag ggccgggtcc tgcgcctcgg gggtcggcgt ccaggctcgg 60  
 agcgcggcac ggagacggcg gcagcgctgg actaggtggc aggtgagggc gtccccgcgc 120  
 acggctgggg taggggacgg gaggggcgag cttcaggctc accggctgcc accgagtgat 180  
 gggaccggag gacaggagag gtcgctcagc caagagcccc ggggaggcgg tgccttctcg 240  
 gtggggctcag caacgggtctc tgggggggtgc ctggggagcgg cagccgggtc ccgccttggc 300





09500560 "20250"

tcaatacata	cctattcaca	aactctgata	ttttaacata	tcttcatatg	atcactttta	7680
aagagttatg	tatattcttt	ttattaaaaa	aagataacat	atttagaatt	tttggaagtt	7740
tgctgacatt	tgtatttagc	aatgcagcct	cactgaacat	ttttctctcc	aaagacgttt	7800
aaggaatcct	gtcttcaatt	ctaccatgct	gagctgaagg	agctttcctt	tatcagagct	7860
gcagaagagt	ccaggaaaca	catcaacacc	tggtgtctca	aaaagaccga	aggtcagaat	7920
gacaagttat	tgcacettcc	tcccaaccgc	tcctcctcct	gcggctcttc	ctattcctcc	7980
ttcccgcttc	ttatatcctc	tctcctcctc	ctctccctcc	tatccctcct	ccctctcctc	8040
acccacctcc	acctttccac	tccgccccct	ctaatttcac	gggtgtttca	gatggtcaga	8100
gtagtggtga	ctggcagggc	ctcctggcat	actgaacctt	gatggactca	taaagggttct	8160
gatcagacat	tcaggttttc	agcaacagag	atttactttt	gtctattctc	ccaggaccag	8220
agtagctgat	acaaatgtca	aaagagggcc	agccacggtg	gctctcgcc	gtaatcccag	8280
caatttataa	ggccgaagt	gacatatcac	ttgaggtcag	gagttcgaga	ccagcatgac	8340
caacatgggt	ggaccccccc	ccgcccacaa	tatttactaa	aaatacaaaa	attagccagg	8400
tgtggtggcc	catgcctgta	atcccagctg	cttgggaggg	tgagacatga	gaatcacttg	8460
aacctgggag	gcagaagttg	tagtgagctg	agatcatgcc	actgaactcc	agcctgtctc	8520
aaaaacaaaa	accaaacaaa	aaacacaaat	gtcaaaagaa	tctcaggcca	ggtttccagt	8580
ttaataactt	gcattaaaa	atactctccc	tggcctgtaa	cattcacatg	tcaggtgact	8640
ccattgtctc	tgcgagaagg	agattgggtg	acagatcttg	cctgagggtat	acacttgggc	8700
tgcctcttcc	taggttcttg	gggacctcca	tcaccattac	ctttacctgc	taagggtcact	8760
cctgactttt	catgtcttcc	acttaagctc	ctttagtttg	acttgataag	cctacatttg	8820
attggttaac	tgccgacctc	ctctcagggc	tgatcagttc	cacagactga	aaataccctc	8880
catttggggg	tgaaccttat	tcactctacat	ttcagaaagt	gacgtgttcc	agtctaggcc	8940
tccaagacca	atgatggtct	gatgaaccat	tcagactcct	ctgcgccaat	tatgcttagt	9000
accaccagga	acattttccat	ttctgtgaat	aaatgagacg	gtaaagaatg	ggagacgttc	9060
ttcgcttaaa	gtctcagcag	ttgtttcccg	cattcctgct	tggagtattt	accacgggatg	9120
ctctcttcag	gcagtgggtt	agcagggatg	ccctcagttc	attgaaacag	taccacttga	9180
tctccaggga	aagaaggggt	gatctttgtt	tgcccacatc	ctcttttcca	gggatgccta	9240
gtgctttgtt	gaggggattc	agcaggaata	tctctccaa	aagcttcttg	aaactcccca	9300
tgtgcccatt	gtcagctctt	cccgttttga	gccctccatt	ctgggttgctt	ctgacatgtc	9360
catgtatagt	cacagatagt	tagaactggg	tgtgatcatg	aagggttgga	tcaaacactc	9420
caattaacca	tgtgagacaa	acaccccttc	agcctatcac	atttctgtct	ggtcttggtc	9480
tccaacctgg	tgtaattttt	ctacttttga	ccaacctgct	ttcctcgagt	gacttaggta	9540
tctttcacca	tcttcaactt	ggtggatgtt	ctcaagggtg	cagtaatcat	gaataccact	9600
catatgtgct	gttttttatt	ctctacataa	caacccaaac	tcagcaaagt	tgaaaacaga	9660
agtttgcttc	tcaactaatg	atccaggatc	atccaatgca	tcaggttctt	ataaaaaagca	9720
actgaatgta	gtctctactt	ttcttgaaag	gtaaaattga	agagttgttg	ccgggtagct	9780
caattgatgc	agaaaccagg	ctgggtcttg	tcaatgccat	ctacttcaaa	ggaaagtggg	9840
atgaaccgtt	tgacgaaaca	tacacaaggg	aaatgccctt	taaaataaac	caggtggggg	9900
aagcttttta	aaatcctgct	agtttgatga	agaagttgaa	tggaaagatt	taacttttga	9960
aaagtgtga	tgacataagc	gtaagccaaa	aggaatttga	aacttaaagt	atttctgaat	10020
gaattttctta	actcagtaga	aaaaaacgga	aggagtataa	gatatttgct	gcataatat	10080
attatatata	cgtatatata	atatatatat	atatatgtag	tgttttatca	ctgctcttaa	10140
ctgcctttga	taattttctc	taaaccattg	ctgccaccta	gtttttgaaa	ctaaagatct	10200
tcctataaag	ccaattttact	tggctagaaa	gcaaaaaaaa	aaaaaaaaaa	gtgttaaggt	10260
agtgtgatat	gtgggagtg	gaggcagtat	agggcagggg	agagggagag	aagggtgaaa	10320
catgtgtctt	taattagtta	tttttataat	taaagtaagt	tttatttgaa	ttgttaacta	10380
attatcatta	attcagtatt	acaggctttt	aatattaaaa	cttcatgaca	aagaccttag	10440
ttttgacatt	gaagtaaaac	ttaattaagg	caggcattag	aataatttgc	caaactcttc	10500
agccccataa	aagatactat	tttaatgtaa	ttaaaaaaca	aaagcaggta	accctcctgc	10560
attttttgta	aggtgtactt	taacttaaaa	aaattagttc	tctagttgca	aagggtggga	10620
ggaggagaat	tctaaccctg	gttttagaac	tatttttaatt	tttataataa	atgatctgta	10680
tcaatttttt	aaagtattac	gttaataaat	gtaatacttt	gctgagcttc	tatgtgctta	10740
tgctctctct	gtatttttaa	aaagttat	cattagagta	tcagaattga	aaagattggg	10800
ttaaaataca	ttactacata	tgtagggtcg	tactctttct	gagagagtgt	atccatttat	10860
actccctgtc	atgctgttgt	ggaactataa	gttttctccc	actttatgat	tttttttctc	10920
atatgttggg	ttggataaat	aggaaaaaca	atacacattt	ttttctaatt	aaatcaaaac	10980
aaatttgtat	ttaatttcat	ttgattatat	tgtcttctta	gatctatttg	ctgagcacia	11040
tttaaagtga	aaacatcttt	ctcctctgga	aaatgtaggg	tatcacattt	tattttgcag	11100
aagaaaacct	ttcccagggt	ggtactgtgt	ctgcttgcaa	tgaagatagg	aaggaactgg	11160
ttgacttttt	tttttttttt	tttttttttt	tttttttagt	tttaactggg	catgaatgtg	11220
gcggtttcca	tcacaggtgc	tgaaaacact	cttggaggga	actgcagctc	ttttgaaagt	11280

11340  
11400  
11460  
11520  
11580  
11640  
11700  
11760  
11820  
11880  
11940  
12000  
12060  
12120  
12180  
12240  
12300  
12360  
12420  
12480  
12540  
12600  
12660  
12720  
12780  
12840  
12900  
12960  
13020  
13080  
13140  
13200  
13260  
13320  
13380  
13440  
13500  
13560  
13620  
13680  
13740  
13800  
13860  
13920  
13980  
14040  
14100  
14160  
14220  
14280  
14340  
14400  
14460  
14520  
14580  
14640  
14700  
14760  
14820  
14880  
14940

tttaattgcg	tctttcaata	atccttcccc	caggaggagc	aaaggccagt	gcagatgatg	11340
tatcaggagg	ccacgtttta	gctcgcccac	gtgggagagg	tgcgcgcgca	gctgctggag	11400
ctgccctacg	ccaggaagga	gctgagcctg	ctgggtgctgc	tgcttgacga	cggcgtggag	11460
ctcagcacgg	taagacccgg	gctgcgggaa	gaacccaggg	acacctttgc	gggcagaact	11520
cgagtgccac	ttccacctct	catattcacc	ttctgagttg	gcgatgcggc	agacgcacac	11580
tgtgcaggca	cttggcggtg	ggatcgaact	tttgttcaag	gctgactttt	cccaatattg	11640
tctgcgtgat	ctgccaaaact	acacatctca	gtcctctgtt	ttttcatcgc	tagaaggagt	11700
gggcgggcgg	taaaatgcct	tttaaaataa	atcaggtagg	aggaagctta	taaaaatcct	11760
gctagtttga	tgaatggcag	actttttaact	ctaaaagcat	aaatgactgc	tcgggggttat	11820
tgccctcctag	agttatgatg	aggataaaat	gtgggtaaat	caggtaacaa	gcttaccaca	11880
ttgcttgcca	actagtaaat	gctctacaaa	tgtgatccat	tattacaatc	atcattctta	11940
gcattatgct	tttaaagtct	aggaacctga	aatagagaat	gaggaagtct	taactttgac	12000
ctaacaaggc	tgggaggggg	catccaggga	ggtgtgaagt	ccagttctca	gaggggtggga	12060
ccagaggcag	cctctgaggg	cacatccagg	cactcggtct	cctttcagca	tggatctcca	12120
gggtgagaga	gtcaaccatg	gcaaatggca	ggcagtggga	ccccatgact	taagaggtct	12180
gtgtgcgcag	cagccattgg	ctctccctct	gcccaccttc	ctgaaactat	gctccggaaa	12240
ctatgcagaa	tctctctggg	gcagataatc	ctctggtaac	ctctctgctc	cggaaactat	12300
gcagaatctc	acctgggaca	gataatcctg	ttggagtggc	tcacactgag	agccctttcg	12360
ttttccaatcc	ttttctttac	tagcaatggt	ttgttgtctt	taaaaagact	atgtttgaaa	12420
aaaaaacaca	gtgcctggg	cattgacact	tgtcacaata	caagatgtct	ctggagtgtg	12480
tggataagga	gagcagagcc	acagccttcc	tgctctgac	tgcttgggtg	ctctccccct	12540
tgtcaaggaa	gtggcacatg	ggacatagga	caagtaagag	tgctcacaag	cttctggcag	12600
atgaaggggc	cactgatcct	atgtgaacaa	acaacaccta	cgtgcaaggg	gaggaaggga	12660
actgtgagtg	cctgtgcgct	tgtacatgtg	cactgaagtc	ggaatcttaa	agtctaattc	12720
tggcttttca	ggtggaaaaa	agtctcactt	ttgagaaaact	cacagcctgg	accaagccag	12780
actgtatgaa	gagtactgag	gttgaagttc	tccttccaaa	atttaaaacta	caagaggatt	12840
atgacatgga	atctgtgctt	cggcatttgg	gaattgttga	tgctttccaa	cagggcaagg	12900
ctgactttgc	ggcaatgtca	gcggagagag	acctgtgtct	gtccaagttc	gtgcacaaga	12960
gttttgtgga	ggtgaatgaa	gaaggcaccg	aggcagcgcc	agcgtcgagc	tgctttgtag	13020
ttgcagagtg	ctgcataagg	tttgccccca	ggttctgtgc	tgaccaccct	ttctttttct	13080
tcatacaggca	caacagagcc	aacagcattc	tgttctgtgg	caggtttctca	tcgccataaa	13140
gggtgcactt	accgtgcact	cggccatttc	cctcttctct	tgtccccaga	tccccactac	13200
agctccaaga	ggatgggcct	agaaagccaa	gtgcaaagat	gagggcagat	tctttacctg	13260
tctgccctca	tgatttgcca	gcatgaattc	atgatgctcc	acactcgctt	atgctactta	13320
atcagaatct	tgagaaaata	gaccataatg	attccctggt	gtattaaaat	tgcagtccaa	13380
atcccatagg	atggcaagca	aagttcttct	agaattccac	atgcaattca	ctctggcgac	13440
cctgtgcttt	cctgacactg	cgaatacatt	ccttaaccgg	ctgcctcagt	ggtaataaat	13500
ggtgctagat	attgctacta	ttttatagat	ttcctgggtg	ttagccttat	aaaaaagggt	13560
gtaaaatgta	catttatatt	ttatcttttt	tttttttttt	tttctgagac	gcagtctggc	13620
tctctgtcgc	ccaggctgga	gtgcagtggc	tcgatctcgg	ctcactgcaa	gctccgcctc	13680
ccgggttcac	gccattctcc	tgctcagcc	tcccgagtag	ctgggactac	aggcgcccg	13740
caccacgccc	ggctaatttt	ttgtattttt	agtagagacg	gggtttcacc	gtgttagcca	13800
ggatggtgtc	gatctcctga	cctcgtgatc	caccgcctc	ggcctcccaa	agtgtgagg	13860
ttacaggctt	gagccaccgc	gcccggctat	attttatctt	ttatcttttt	ccttgacatt	13920
taccaatcac	caagcatgca	ccaaacactg	ctttaggcac	tggggacaca	aaggggacag	13980
agccatcctc	ctttgacacc	tggtcttcag	tctgtgcc	aacgtatata	gttttgacaa	14040
tgaccagggt	ggactgttta	atgtctttca	acttaccacg	taatcctctt	gtagggatca	14100
catctttctt	tatgatattg	tatttctcta	cctctaacag	taaaaattcc	attcaaccct	14160
taaagctcac	ttcaaattct	tctttgagaa	gtttttcctt	tctccgcaac	cagatgtaca	14220
tatttgaact	ctctttgtac	ttggagggca	cttctttcgt	ggtagtctct	ttatttttat	14280
taatctctgt	atccttagat	agtctcccaa	caaccaaagg	ttgggactct	gtcttacata	14340
tctgggtgcc	cctcatagtg	cagtaataag	taagttgatt	atatacgagc	tatgtaactt	14400
atatttttta	atggttggat	atcactgagt	tttttttttt	aagaattttt	ttattgaggt	14460
aaacttcaca	taacataaaa	ttaactattt	taaagtgaga	agttcagtgc	cacttagtat	14520
tgtaacaat	gttgacataa	caccaccttt	atttaaagtt	ccaaaaaaaa	tgttctcctc	14580
taaaaggaaa	ccccatccca	ttaagcagat	actctccatt	ccttctcttc	tccagcccc	14640
agcaaccacc	aatctgcttt	ctgtctctat	ggatttatct	attcttgcta	ttttatataa	14700
attgaattgt	atgagacctt	ttgtgtctgg	cttctttcac	ttagtacaag	tttttgagat	14760
ttattttacat	agtagcatgt	atcaacactt	cattttttatg	gccaaataaa	attgtattat	14820
gtgtttatag	cacaatttat	ttatccactc	attcattgat	ggactttggg	ttgtttctga	14880
cttttggcta	ttgggaatag	tgctgctatg	aatgtttgtg	tacctgtatt	tgtttgaatg	14940

```
<210> 2140
<211> 16107
<212> DNA
<213> Homo sapiens
```

2189







104760 "23005650"

gtgcacaaga	gtttttgtgga	ggtgaatgaa	gaaggcaccg	aggcagcggc	agcgtcgagc	13080
tgctttttag	ttgcagagtg	ctgcatggaa	tctggcccca	ggttctgtgc	tgaccaccct	13140
ttccttttct	tcatcaggca	caacagagcc	aacagcattc	tggtctgtgg	caggttctca	13200
tcgccataaa	gggtgcactt	accgtgcact	cggccatttc	cctcttcctg	tgtccccaga	13260
tccccactac	agctccaaga	ggatgggcct	agaaagccaa	gtgcaaagat	gagggcagat	13320
tccttacctg	tctgccctca	tgatttgcca	gcatagaattc	atgatgctcc	acactcgctt	13380
atgctactta	atcagaatct	tgagaaaata	gaccataatg	attccctggt	gtattaaaaat	13440
tgcagtccca	atcccatagg	atggcaagca	aagtctctct	agaattccac	atgcaattca	13500
ctctggcgac	cctgtgcttt	cctgacactg	cgaatacatt	ccttaaccgg	ctgcctcagt	13560
ggtaataaat	ggtgctagat	attgctacta	ttttatagat	ttcctgggtg	ttagccttat	13620
aaaaaagggt	gtaaaatgta	catttatatt	ttatcttttt	tttttttttt	ttcttgagac	13680
gcagtctggc	tctctgtcgc	ccaggctgga	gtgcagtggc	tcgatctctg	ctcactgcaa	13740
gctccgcctc	ccgggttcac	gccattctcc	tgctcagcc	tcccgagtag	ctgggactac	13800
aggcgccggc	caccacgccc	ggctaatttt	ttgtattttt	agtagagacg	gggtttcacc	13860
gtggttagcca	ggatgggtgc	gatctcctga	cctcgtgatc	caccgcctc	agcctcccaa	13920
agtgtctggga	ttacaggcct	gagccaccgc	gcccggctat	attttatctt	ttatcttttt	13980
ctttgacatt	taccaatcac	caagcatgca	ccaaacactg	cttttaggcac	tggggacaca	14040
aaggggacag	agccatcctc	ctttgacacc	tggtcttcag	ttctgtgccc	aacgtatata	14100
gttttgacaa	tgaccagggt	ggactgttta	atgtctttca	acttaccacg	taatcctctt	14160
gtagggatca	catctttctt	tatgatattg	tatttctcta	cctctaacag	taaaaattcc	14220
attcaaccct	taaagctcac	ttcaaattct	tttttgagaa	gtttttcctt	tctccgcaac	14280
cagatgtaca	tatttgaact	ctctttgtac	ttggagggca	cttctttcgt	ggtagttctt	14340
ttatttttat	taatctctgt	atccttagat	agtcctccaa	caaccaaagg	ttgggactct	14400
gtcttacata	tctgggtgcc	cctcatagtg	cagtaataag	taagttgatt	atatacgagc	14460
tatgtaactt	atatttttta	atgggtggat	atcactgagt	tttttttttt	aagaattttt	14520
ttattgaggt	aaacttcaca	taacataaaa	ttaactattt	taaagtgaga	agttcagtg	14580
cacttagtat	tgtaacaat	gttgcataac	caccaccttt	atttaaagtt	ccaaaaaaaa	14640
tgttctcctc	taaaaggaaa	ccccatccca	ttaagcagat	actctccatt	ccttccttcc	14700
tccagccccc	agcaaccacc	aatctgcctt	ctgtctctat	ggtttttatct	attcttgcta	14760
ttttatataa	atcgaattgt	atgagacctt	ttgtgtctgg	cttctttcac	ttagtacaag	14820
tttttgagat	ttattttacat	agtagcatgt	atcaacactt	catttttatg	gccaaataaa	14880
attgtattat	gtgttttatag	cacaatttat	ttatccactc	attcattgat	ggactttggg	14940
ttgtttctga	cttttggtcta	ttgggaatag	tgctgctatg	aatgtttgtg	tacctgtatt	15000
tgtttgaatg	cctatttttg	attctcttgg	gtatatatct	aggagtggaa	ctgctgggtc	15060
atatgttaat	tctatgttta	gctttttgag	gaacagacaa	actgttttcc	acagcagttg	15120
aaccattcca	cattcccacc	agcaatgtat	gagaattcca	atttctgtcc	acttcctcac	15180
caacacttat	tattttcctt	ttcctttttt	taaaaaaaat	aagttatggc	catcttagtg	15240
ggtgtgaagt	ggtatctcat	tgtgtttttt	atttgcattt	cctatgtaat	gagctagaaa	15300
ctaaagtaca	aactagatgg	gacatccagt	ccctttgata	gataatgctg	agtaaaaaat	15360
gagatgaaag	acatttgttt	gttttttagaa	catgagtgc	agtttggtta	aaagcttttag	15420
aggaggaatg	aaaacaaagt	gaagtacact	tagaaaaggg	ccaagtggac	atcttggatg	15480
tcaagtgcct	agttcagtat	cttttttttt	tttttttttt	tttttgagac	agtgcctcac	15540
tctgtcaccc	aggctggagt	gtagtggcat	gatctgggct	cactgcaacc	tcctcctcct	15600
ggattcaagc	aattctcttg	cttcagcctc	ccaagtagct	gagactacaa	gcaccaccca	15660
ccacacccgg	ctaattttgt	attttttcagt	agagacgggg	tttcgccaca	ttggccgtgt	15720
tggtcttgaa	ctcctggcct	caagcaatcc	gcctacctca	gcctcccaaa	gtgctaggat	15780
tacaggcata	agccactgag	cccagcccta	gttcagtatc	ttttatgtaa	attataaaca	15840
tctgcaacat	tatgtatcat	atgcagatac	ttattgcatt	tcttttatta	gtggtgaaag	15900
tgttctatgc	atttattggc	tcttgaattt	cctcatctat	gaattgtcat	tcacacacct	15960
acttttctgc	ttcgttttta	catatgtctt	tgctatttaa	agatattatc	cctctgtttt	16020
atattttctc	tcattcttgt	attgcctttt	aaattttggt	atgatgtttc	attaataaac	16080
agtgttttgt	tttcctctat	aatcaaa				16107

&lt;210&gt; 2141

&lt;211&gt; 466

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2141

taaacctctt	ctctttgtga	attaccacgc	ctcatgtatg	tggttttttt	ttttatagca	60
------------	------------	------------	------------	------------	------------	----

acacaaatga	accaagacac	agagggcaca	atcatgacag	aaattcttgt	tccgctctct	120
gttttaattt	agaggttgat	aatatccagt	attggtgagc	atacgagaaa	acaggcatcc	180
ttaccttgtg	tgtgggaatg	tggattaagg	gtttttggaa	ggaagtgggc	agccttttca	240
ttttaaatgg	acattctttt	tgggccagca	tctcactttt	agatgtctga	tctacataag	300
tatttgcata	catgcttaga	tatgctaagg	ttttccctgt	agtattttca	aaggcatttt	360
tgcagggtaa	tttaaaaaat	cgtggtaaag	aaaaacaaaa	tttaccatct	taagcatttc	420
taagtgtaca	gtagcattg	ttgaatagca	aaaaaggaaa	gaaaaa		466

&lt;210&gt; 2142

&lt;211&gt; 466

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2142

taaacctctt	ctcttttgtga	attaccagc	ctcatgtatg	tggttttttt	ttttatagca	60
acacaaatga	accaagacac	agagggcaca	atcatgacag	aaattcttgt	tccgctctct	120
gttttaattt	agaggttgat	aatatccagt	attggtgagc	atacgagaaa	acaggcatcc	180
ttaccttgtg	tgtgggaatg	tggattaagg	gtttttggaa	ggaagtgggc	agccttttca	240
ttttaaatgg	acattctttt	tgggccagca	tctcactttt	agatgtctga	tctacataag	300
tatttgcata	catgcttaga	tatgctaagg	ttttccctgt	agtattttca	aaggcatttt	360
tgcagggtaa	tttaaaaaat	cgtggtaaag	aaaaacaaaa	tttaccatct	taagcatttc	420
taagtgtaca	gtagcattg	ttgaatagca	aaaaaggaaa	gaaaaa		466

&lt;210&gt; 2143

&lt;211&gt; 1669

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2143

gcggtccct	ctctccctct	ggcccagtc	cttccgcttg	tgtccgggaa	gctgtgggcg	60
gtgatttaac	atgactcact	tgggggcata	ggcgctatga	agttcagtg	ctgggtgcca	120
ggtggcgcca	atgacaccct	ttttctcaga	gcccgggctg	aatggacacc	tccctcaaag	180
ccttccagac	ccagggttac	ggccgttccc	agagacatgt	tcccggtgctg	ctgggcacac	240
ctgcagaggg	gagggaaggt	cctgtgtttg	ctgggtgctgc	tcgtcctctc	acttcctacc	300
gagcatcatg	ttgcaaacaa	atgaccttgg	caccaccgtt	ttgcaaatg	tcctttcttg	360
ggctttactt	tttggcttat	gtgagcaaaa	tgaactgaag	tcaaggtagc	actcccaata	420
acctgtctgtg	ggatgagagg	gcttttgtca	tttatgcagt	ctgattagtt	atccacgccc	480
agagctacac	tttctcgatg	cttctcagct	ctgactctca	cagggccagg	gagaaatttt	540
tgtgccccct	aatcatgta	gttgatata	aaacattccc	tggaggccta	ccattctcaa	600
atccccgtgc	agggctctgt	ggggtgcaac	atgaaactcg	ctctaactcc	ctacgtggag	660
gacagacaga	cccatcctaa	ctccaaagcc	agacacaagg	gacaaaggta	ccaaaaaggt	720
gcaagggtgca	agaatggacg	acgctggctt	tccaatttgc	tggaatatct	gtgcggttag	780
aatggtgtct	tgttcagcat	atatcagcat	cttgcccttg	ctctgtcctg	cctggccaca	840
aaggacactc	agacaacacc	ggcctcataa	atgctgcctg	gagaaaagcc	tagctaggta	900
cggagggtca	gggtatttca	gaaaagagaa	actgcttcag	ccaatgctca	tgagatttac	960
caggggaatag	caaacaagtc	tagtgcaagc	caggggttgg	ggagtgggag	ggtgatttagc	1020
agagatcaat	ctagaaagga	ggtcaagggt	ctgtagggtg	ggaaagagg	tgcttgtgta	1080
ttaaaacttg	ttttccagca	gtttggagat	ttctcaaaga	actaaaaata	gaactaccat	1140
tcatcccagc	aatcccatta	ctaggtatat	actcaaagga	aaacaaattg	ttctatcaaa	1200
aagacacctg	tactcctatg	tttatcgcag	cactattcac	aatagcaaag	acatggagta	1260
aacccagggtg	cccatcaacg	gtgaactgga	taaagaaaat	gtagtacata	tgctaccatg	1320
gaatactacg	cagctgtaaa	gaggaaagaa	atcatgacct	ttgcaacaac	atggatacag	1380
ctggaggcca	ttatgctaag	tgaattaatg	cagaaacaga	aaactaaata	tcacatgttc	1440
ttatttgtaa	gcagaagcta	aatattgggt	gcacacaggc	acaaagatgg	gagcaataaa	1500
cactggggat	tccacaaagg	gagcaggcag	aggggaagggt	tgaaaaacta	cctatcaggt	1560
cctctgtgca	ctacttgtga	gacagaatca	ttagaagccc	aaacctcagc	atcacacaat	1620
atacttatat	aacaaacctg	cacattgacc	cctgaaccta	aaattaaaa		1669

TOTAL 2205550

<210> 2144  
 <211> 21010  
 <212> DNA  
 <213> Homo sapiens

<400> 2144  
 cggaagtgga aacggaacc ttttttaggga gtccaaggta cagtcgccgc gtgcggagct 60  
 tggtactggt tacttggttaa gctgggtgtga ggggaacctg ggaggggtcag ctccgggtcct 120  
 gggtcgggag ggggtgggggc cagaggattc agggccggag gttctggtgg gggcccagtg 180  
 gggccggacc gaggacggag gggccgggag gccgagagg gcgggggtcgc ggcggggcct 240  
 gagggacgga ggcgggata cttgggaaag gatccgccg ccttgaactc ccgcctccgc 300  
 cgcccttagg cctcatggcg gtccgagctt cgttcgagaa caactgtgag atcggtgct 360  
 ttgccaagct caccaacacc tactgtctgg tagcgatcgg aggctcagag aacttctaca 420  
 ggtgcggcgg gagccccggg gcttacggtg gcggggaggc gtgcgcagga gtcaagagct 480  
 ccggcagtggt gaggggtgcc gcccctctgc cccgccacca ccgagtccat gtccctacag 540  
 tgtgttcgag ggcgagctct ccgataccat ccccggtgtg cacgcgtcta tcgccggctg 600  
 ccgcatcatc gggcgcatgt gtgtgggtaa ggcaggtgga ggacgccgag ggagggagtg 660  
 gtctccaagc accattaatt acacccccgg agggaaaccg gagtgcctta gggattccca 720  
 gggatcatc tggtatctct gggcactata gaatctctca ggccaagcgt caggagatcg 780  
 gggcaaccct ctagcaagg ctgctggata atagtaataa caaataatgt aaagtgtctt 840  
 cactcctgtt ctcatctctt cgtcacaaag acactagaag gtaggagtta ctggcctaac 900  
 ttgactgatg aggaagttga gacttgacct aagtgactca gtaagttcca cacctagtct 960  
 ctagtgttgg agaaggattt ttctcttttt ttttttttt tgaggccaga tttttgctct 1020  
 ttcccccagg ctggagtgc gtggcaagat cacagctgtc tgcattctca acttcttagg 1080  
 ctcaagtgat cctccacct cagcctacca ggtagctagg gccacaggca cgtgccacca 1140  
 cacctggcta atttttacat ttttggtaga gacgggcct cctgtgttg cccagcctgg 1200  
 ccttgatctc ctgggctcaa gtgatcttct taccttggtc tcttaaagtg ttgggattat 1260  
 aggcagagag cactataccc agccgaggat ttgtatctca tctctccctg ccactgactg 1320  
 ggcaagggtgc ttctcttttc taagcatcca tttctgtctc tgtaaagatt agctaagata 1380  
 tgcggtcttc ctgctcagtt acgttggaa cttaaattcc cttaccaca tctctaccct 1440  
 accttcctac ctgtcagcac tgtaattct ggtcgttgg cctttccttt ttattattat 1500  
 tattattttt ttttgagatg gaggtttctc tcttgttgc caggctggag tgcaatggca 1560  
 cgatcttggc tactgcaac actctcttca agtgattctc ctgcctcagc ctcccaagta 1620  
 gctgggatta caggcgcac ccgccacacc cggctaattt ttttgtattt ttagtagaga 1680  
 tggagtttca ccatgttggc caggetggtc ttgaactcct gacctcaggt gatcctccca 1740  
 cctcggcctc ccaaagtgt gggattacag gcgtgagcca ctgcgccgg ccggtccttt 1800  
 cattaagctg gatctgtctt ccattactgc tgcccattgt ttcttagttc tgctcattga 1860  
 ggtcactttt agaagtctgt ttattttatt tttttacttt tactttaatt tttaaaaatc 1920  
 ttaagcctgc ttgggaggtc gaggcagggt gatcacctga ggtcagcagt tcgagactaa 1980  
 cctgaccaac atggagaaac cccgtctcta ctaaaaatac agaaattagc cgggtgtgggt 2040  
 ggcgcatacc tataatccca gctacttggg aggetgagge gggagaattg cttgaaccct 2100  
 ggaggtggag ctacccctgc ggtgagctga gattgtgcca ttgcatttca gcctgggcaa 2160  
 taagagtga actgtgtctc aaaaaaaaaa aaaaaacaaa aaacaacaac aacaaaaact 2220  
 taagcctagt gacctcaag tattttctta ttcagttaaa atactctgat ctctaaccat 2280  
 gcccttagga cttgaagcaa gttctgacaa caaggagat tttagcttag tccttgtgta 2340  
 ttttatgatg ggagtacct ggaattcaga aattgattgg cgtgtatttg tagattgttc 2400  
 attcttgttg ctgtatgggtg tgttttgtgt aagtatatca caacgtattc atccattcca 2460  
 tcgacagtgc atttgggcag ttttcacttt ggtctgttag gaatagtgtc gctggccggg 2520  
 catggtggct cagcctgta atcccagcac tctgggaggc cgaggcgggc ggatcacgag 2580  
 gtcgggagat cgagaccatc ctggttaaca cggtgaaacc ccgtgtctac taaaaataca 2640  
 aaaaaattag ccaggtgtgg tggcgggtgc ctgtagtcct agctacttgg gaggttgagg 2700  
 caggagaatg gtgtgaaccg gggaggtaga acttgcagtg agccgagatt gtgccactgc 2760  
 actccagcct gggcaacaga acaagactcc gtctcaaaaa aaaaaaaaaa agtaatagtg 2820  
 ctgctatgtt tttttagtga acacatgtac atatttctac tgggtatatg atacctaaga 2880  
 gtggcatggc agagtccacag gttatgtgac tatttagtag tagttgcaga tgatgccaga 2940  
 taattatcta aagtatttga ccaacttaca ctctgtctc agtatgagag ttcagttgct 3000  
 ccatatatct ttgccaacac ttggaattga tgacttgtaa aaatttttagt cattctggct 3060  
 gggggcagtg gctcacacct gtaatcgtag cactttggga ggtcgagggt ggcgatcac 3120  
 ctgaggttag gagttcgaga ccagcctggc caacatagtg agaccccatc tctacaaaat 3180  
 cacaaaaagt tagccagggt tgggtggcac cacttghta tccagctact caggaggccg 3240  
 aagcaggaga atcacctgaa cccaggatgc agaagttgca gtgagctgag atcgccacc 3300



FOI b 7 - 2500566

gccccgaaca	gccccggcat	ccgccccagc	cccagcccca	gccccagccc	cagccccage	7020
ccgagccccc	cccgctggggg	ccgctggacg	acgtgcgctt	cctcatcgcc	tgcacttcct	7080
ggtactgacg	gcgtcctccg	caggatgtcg	cccgtctgtc	cgccgtcccc	tgtgggttctt	7140
gcctgccttg	tctcctctcc	ccacgtccct	gcgtctctta	cacccccctc	cacccgagggc	7200
tccccagaga	tagcagagaa	ttcgaagagg	tcgcccggga	ctggaaagaa	gtcccggcag	7260
ggccgccttc	gcagtctaca	ccccagcctg	cttcccagcc	tacaccccaga	cccagctcag	7320
accttcgtga	ccaccccatc	cctttctccg	gctggctggg	tcggggggcat	ccctctctgt	7380
cgctggcctc	cagaggcagg	acaggcctcc	tggtaaagccc	gcaaagttgc	tgacctcctg	7440
acttcgtctg	ccttttatta	atatctgtat	tgctgataac	cgtgctcttg	actatgtgtc	7500
ccaggtcatg	tcccaggcca	tggagaagcc	cgtgccacag	tgacctctcc	catactcctg	7560
ggggggctgc	tctccactct	ggatcgtaag	gaggcatcat	caggctgtgt	tcctggaacc	7620
ccaataaccc	tgggccccca	gggcccagcct	gttgtagagg	gaggctatct	gaccgcgggt	7680
ctggcagagg	agatgggtgg	gcagctccca	gacaccccaa	aggacccggg	tctcttccca	7740
gagcgtccta	aggttactct	tggaaacctga	tctttgttcc	ctcatcccag	ggaaatgaca	7800
cactctgtat	ttctgtttta	tttagaaatg	atttaaaaaa	cattatacaa	aggctgatca	7860
gtttaaaaatg	tgactgacac	tgaatgtctg	tgatgtcccc	caggctgagg	ggaagctagg	7920
ctctggggcc	cccagtgctt	tgccccctctg	tctgcctgt	cctgggggtga	tggacaaaca	7980
gatgaccaca	ggcaggagaa	tctgagattg	gaagcctcta	ggctgagccc	tctgggcctg	8040
gccccacatc	cctcacctct	gcagcctggg	ctgcctgcct	ccatctcctg	ttcattctca	8100
gctggcctgc	caggagccaa	tggggagcct	ggcgggaggc	gggggtgcct	agagctttca	8160
agaagtgaga	gcaccaacct	gaggagtggg	cagggaaccg	gaagtggggg	aagggaggcc	8220
aggaagaggt	ggatacagga	gacacttctc	atctcatctc	agaccctaga	ggggtccaca	8280
gatggggaca	caagacccag	ccagcccact	ggatggcccg	ggcaagtaac	aacctctctg	8340
tgcttcatct	gagggcacgg	tgagagttac	cgctggcctc	ccagggccta	acacgagttt	8400
catgtgagtg	gacaggtgtg	agctaataaa	gtgctttgca	aagtataaaa	cactgtacaa	8460
acctatgaat	cactaatatc	tccgcagttg	ttccctgcct	gtcccaggga	gcctgccctt	8520
ggccaaaatg	agaaaaaaca	aggatgatga	caggggacac	agcggaccca	catgggcacc	8580
tctgggacaa	gagatttttg	ttgagacaga	tcccagggca	gcaggagtcc	ctgtctgtgc	8640
tacagggtaa	gcccagccca	atcccagaga	ccacagggtc	gggggcaagg	cccatgcagg	8700
ctcagtgagc	aggggtggca	tccgagaccc	ggccagcacg	ctggagactg	cctgacacct	8760
ttttggcttt	ggcagagagc	cagtgggcat	tgatgaaccc	attggccttg	tctagggtct	8820
ctcagtgaca	agcagggctg	cctccgccgt	actgtggagc	aaggcaggcc	aagccctagg	8880
aactcctgct	ggagacagtg	aagggcgggc	cagtgaaggt	caaaaaggga	gccccctcag	8940
cttggggctg	ctaccggtag	gggtgtcctt	ctaagagcag	tgtgggaaga	tggggccagt	9000
gagcgaggtc	agcaagggcc	aagctctggg	aaaacactgc	ttccagccga	gagattgagt	9060
cggcctcaga	gtagctggag	tgggcctcag	agtagtgggg	gcactgagca	cttcagacgc	9120
cctggteccc	ttccgaagga	ctcccagggt	ctgccagtg	tggccctgca	gccatctctg	9180
cctcacctaa	ctggtgaggg	tgagctccag	gctgcaagt	acagactgga	gcaaagctgg	9240
ggacagtgac	aatagagggg	agtgaggagc	ggtcacaaac	tcggatcttc	ctccagaaat	9300
ggggtcagct	tctgccccag	ctctgtagcc	ataggagcag	agctcagcta	ctggggtgtc	9360
tgggcgctag	agtggcctta	gcagcacctt	ggctcttgct	gcctggggga	gggcccgtat	9420
gctggcctca	tcaccaagac	agtcacctct	agttcaccta	aagcctcaag	cagcctttgc	9480
aaaatgggac	agtagtgaca	ggacatttaa	atattcacga	tgtgacagct	gggtccttgt	9540
cagacccagc	tgggcccacag	ccctgcctgc	agcatgtgac	cctaaatcct	gggtctccga	9600
agagaccctg	acaagtggag	cagggtttcct	gagggatctg	ccgtctgcca	gcagggaac	9660
ccaggcttgt	tgtcactgtg	gtcagaagca	ggggctcctg	agccttgagg	gacagtgggg	9720
tgggggtagg	gggacatctg	accagcaggt	gttggcaaaa	ggggaccagg	actggtggta	9780
tctcccggat	gggggatgag	agctagtgtc	ggcttccac	agagggtgct	gggttccagc	9840
caggagtggg	gctgtggtac	ctcatggaca	ccacaggatg	ccgtgaccac	aggggtcctt	9900
cctggcatgg	tccctgcctc	cggatggagc	ctggcctatt	cccttaagta	gggagtagtt	9960
tgccaggagc	agaaggctgg	cagctgggtg	ccagacaccc	accctggggc	acagcccca	10020
taattccctg	ccccacgctc	agcctaggcc	aatgcaccca	ccacttcagc	tgtacgaccc	10080
cagcctaggg	ccctgctggc	cctgggtgagc	actggccaga	gctgccccctc	agaccctggg	10140
gaggaagggc	ctggctggcc	agaccaagtg	gatagagagg	gctctgggct	gctcacaccc	10200
attcctggag	tggccgctta	tagtaggtga	caggctgagg	gcctgtcttg	ttcttgaact	10260
ggaagatggg	gtagaccagc	accaggatgc	agagggacag	gatgcagggg	atgaccacgg	10320
ccacggcggt	cacggagccc	ggcacatcgt	tgatgggtcac	catgatgtcc	acgtcgtcct	10380
ggggcagccg	ccgctccttc	cgcgcgtcca	cctccttctg	gttgacagccc	atccagtcac	10440
gcaggatggt	gcgcgggtag	cctggctcca	cgctcagttt	ctgggtgtca	aacttccagt	10500
agtcggggcc	cttgtagaaa	taggtgtaat	ctgcagaaat	acagcccagc	atcaccactc	10560
ccagacactt	ccggcacctg	ctctggggga	gtgtgaaaag	gagggcacag	gcactgtggc	10620

FOIA b 7 - DEDUPLICATION

aagggaggca	aggtggggcac	acctggagggt	ttgggggtgca	gtgcttgggt	gagtcattgga	10680
gtaagaagct	gcagaggggg	acacccggga	cctggagtggt	tccgcctgtc	atctacgggt	10740
gctaggaaac	cagaggggct	tcaggggagaa	ctgggacatg	gttcaactttg	tgctgcccag	10800
acaggacccc	ttgcacgcaa	gcctgggtca	cagctctgtc	acactgtgcg	cacaggtccc	10860
ccttgccccg	ctcatgtggg	ctccattaaag	cctcagcctg	gctcctgctt	gagccaaggg	10920
aggcagggag	caagatttca	ccttgtgttg	acagcaagac	ctctctgcaa	ttatggattt	10980
ttttggcctt	gcacacatca	cttcacaaca	cagatgcagg	acctttggga	gccttctggg	11040
agagaggctg	ggcagccctg	ccaatcactc	cctgggcaac	caccccaggg	ctcgagcaac	11100
agcctgagcg	gcccagccag	tgggcaaaag	agcttgcctt	ggcgcctctc	attggctggc	11160
ttcccaccgt	ggctagggct	ttcatttggtc	tccggtcctt	atgtcacctg	tctctgaggg	11220
tccccaaaaa	gggagatctt	gtgcgtaaa	catcaggtat	acaagacagc	caacaaatag	11280
cagctgtggc	cattggcctt	ctcagcagtg	aagcctcctc	agagactcct	tcccagccat	11340
ctctaacacg	gccccctcta	gctcgttgct	ctctcccagc	atctatttcc	tttttttttt	11400
tttttaagac	aaggtctcac	tccattgcct	aggctggagt	acagtgggtg	agttgtaact	11460
cactgcagcc	tcaaactcct	ggtcttaagc	aatcctctgg	cctcagcctc	ccaagtagct	11520
gggactacag	gcacatgtca	ccacgcccag	ctaatttttg	tatttttttt	ttgtagagat	11580
gaatctcact	atgttactca	ggctgggtct	gaactcctgg	cctcaagtga	tcctcccacc	11640
tcagcctccc	aaagtgcctg	gagtccttcc	cttatagcgt	ctgttgccat	cttgctttat	11700
gcccctagac	ttggacgtct	gcaagtcctg	ttgactgcta	cgtccccagc	tcccaccaca	11760
caagctgtct	attattatgg	agtgaagtga	tgaatcctgt	caatccacat	aaactgaaac	11820
ccatgatgat	gacaatgatg	atgacgatag	cagctaaaat	atacagcatg	gatgggtgtg	11880
taggcattat	ttctaagtat	gctacataat	ttgtcttctt	taatcctcac	aaaaccatta	11940
tataaaggta	ggtactgtta	ttatcatttt	ataaatgaga	aaacagaaaa	cttatttaaag	12000
atctgtctcag	attcatagt	agtgggtact	tggtgggtac	gaaccagcc	agtccagctc	12060
tagagtctgt	gtttttgacc	atatcaatgg	agatctatct	aacaaacact	cctggaggcc	12120
cactctgcat	ctggccaggc	tagcagctcc	tcctgagaag	ctcctagget	ggtggggaga	12180
caggctgagt	gtctgatggc	agtcgtgggg	gctgggtggc	agcatggctt	ctaggaggag	12240
ttcaggaaac	ataaaaagtt	tctctcttga	tgcagtggct	cacacttgta	atcccagggc	12300
tttggggaggc	tgaggtggga	ggattgcttg	agggcaggag	tttgagacca	gcctggccaa	12360
catagtgaac	ccctgttgct	acaaaaaaat	gtaaattagc	caggcacagt	ggcatgtgcc	12420
tataatccca	actactcggg	aggctgatga	ggcaggagga	tcatttgaga	ctaggagggt	12480
gaggctgcag	tgagctatga	tcattgccaca	gcattccagc	ctaggcgaca	gagtgaagcc	12540
ttatctctta	gaatttataa	aaaaattttt	tttgaagggt	ttctttccat	cttcttgccc	12600
tcgagccctg	tgaaaaagtg	gctttgaaac	atgcatgccc	atcattgctt	ttcagattgg	12660
gtaactcaag	gcgtccctgg	agtaactga	ggataagtgt	ttgagaaatg	ctgtctgaag	12720
gaatgaagtc	agtctatgac	aacgtctctc	tgccgtgaat	cattcctgca	gatgaaaaag	12780
tgtgacttgg	cagctggtaa	gtgaattaat	ggaccacgtg	aacatgggta	gatagaggc	12840
agttgtctgc	caccagggtg	tttttcaaac	ctggacgccc	atgggcactg	agtatgccc	12900
tgggcactgg	tgaggaccac	ataaaaccgg	ctccccatgc	ccaccctggc	ccggccctta	12960
cgtacatcct	tccttgctga	tgaaggctcc	ttggggagcc	tgtgggatgc	ccttccacac	13020
ggtgatgggc	ttagggtagc	cagggtccgt	ggcccgcgcg	tcctcgctgt	agcgccagta	13080
ccgctcgcct	ttgaaaaagt	aggtcttgcc	cacagggtcc	cagcgagag	ctgtgtcaat	13140
gccttcacgg	ggcaaacagc	tgcccagctc	ccccaggctg	tgggggtacc	caggctccac	13200
cgtcacctcc	ttaaacaccc	aatacttgct	acctgtggcc	aagaggagcc	caggatcagc	13260
ttccccagtc	actcagtgcc	gtttgcccac	cttcagggtg	tcaggtgaaa	acagtctgat	13320
gcccctcagc	ccttgggcca	gttagagttg	ggaaggacac	gaagcctgag	gccagtcaca	13380
gatcctggac	aacttgccct	tgctgcctgg	gctccgagtc	ccaccctctt	ttgttcatgt	13440
gacttgctcc	tctctcctct	ctggtgatct	cagccactta	catgactttg	catatgcact	13500
accactcccc	aaacctgcta	ccagtgaac	ccgactctga	ggctctccca	ctggacctga	13560
gcagcagagc	cagaaaccc	gacctccctc	ggcctaccgg	cagctctgca	ttggctggct	13620
ccccagagct	cctcatctgc	accacagagg	ggctccctcc	tcattcacctt	ctgcctccca	13680
ggtccccaac	agggagtcct	agcctcactg	ttgaccctct	ctttccttct	cctctcagta	13740
ttcagccact	tttttttttt	aagatggagt	ttggctcttg	ttggccaggc	tggagtgaac	13800
tgggtgtgat	tcagctcacc	acaacctcca	cttcctgggt	tcaagcgatt	ctcctgcctc	13860
agcctcctga	gtagctagga	ttacaggcac	gtgccaccat	gcttggctag	tttttgtaat	13920
tttagtagag	acgtgggttc	acctgtgttg	tcaggctggt	ctcaaaactcc	tgacctcagg	13980
tgatctgcca	gccttggcct	cccaaagtgc	tgggatttcg	ggcgtgagcc	actgcgcctg	14040
gccgagtatt	cagccacttc	tgaggccctc	tgactctcct	ggcagctgtc	ccctgcctct	14100
cagctgcacg	gctcctccct	catttggggc	tcattgagtg	cgcgctccag	aaccacctca	14160
gaaatggctg	ccctgcccct	gccatgtctg	tcacctcctg	ccctctggct	ctctgctgct	14220
cggaaacatt	ccatgaattt	ccagccttgg	cctaattggat	caagaccaca	ttctggcctg	14280



18000  
18060  
18120  
18180  
18240  
18300  
18360  
18420  
18480  
18540  
18600  
18660  
18720  
18780  
18840  
18900  
18960  
19020  
19080  
19140  
19200  
19260  
19320  
19380  
19440  
19500  
19560  
19620  
19680  
19740  
19800  
19860  
19920  
19980  
20040  
20100  
20160  
20220  
20280  
20340  
20400  
20460  
20520  
20580  
20640  
20700  
20760  
20820  
20880  
20940  
21000  
21010

```

ccccccag tgcagcttct acccgtcacc cactccaact gctctgcaa gatcatcaa 18000
tggttacttg actcagactt taataagcac atgcatcatc tggggatgtt gctaaaatgc 18060
agatgagggc tcagagggcc tgggggtggg cctgagagtt tgcattcctt cacactctca 18120
ggatgatgctg atgctgctgg tctgaagact acattttgag cagcaagatt catagaaaca 18180
ctttctctgga aacactctct tgggtgtcct cctgcctcat gggctgttct ttctcagtct 18240
cctttgctgg ctgctgtgcc tcatctgccc tactctagag gctggcgtgc ccttgggtcc 18300
tcttctcttc cgtctctaca ttttcatcct taggtcagtg cttcttcact tgggctgcat 18360
attaggatca cctttgggag cttttcaaac tggatgttca ggaagcacca ggccagctct 18420
ccaacttttt tttttttttt tttttttttg agaaggagtc tcgctccgtc ccccatgctg 18480
gagtgcagtg gcgtgatcta agctcactgc aacctctgcc tcccagggtc aagtgattct 18540
cctgcctcat cctcccaagt agctgggact acaggcacgt accaccacac ccaggtgatt 18600
tttttttttt tttttttttt ttttagcaga gatgggggtt caccatgttg accaggctgg 18660
tcttgaactc ctgacctcaa gtgatccacc caccttggcc tcccaaagtg ctgggattac 18720
aggcgtgagc caccacgccc aatacccaac tattaataaa accaaatctc tagagctgag 18780
ggctgggtgt ctgtgttttt ttattagaat cccaaggtaa ttccaaaggg cagccaagtt 18840
gagaatcact gctctaggtg gtctcatcca ggctcatggc ttacagacc tgcacagag 18900
ctgtccagta gagtgttctg tgatgatgga aatgggtccat atctgcatcg ttactacag 18960
tagcccttag ccacagccac atatggctac tgaggtctta agatgaatga ctagtcttta 19020
gtgtgactga gaccactaa agaactataa ctgaaatgat aattttaata tatttttggg 19080
ggggtagaga caggggtctc actttgttgc ccaggctggt cttgaactcc tggcctcaag 19140
caatcctccc acctcggcct cccaaagcgc taggattaca ggtttgagcc accgcgccc 19200
gcctaataaaa tataaattta aatttcatta ctatgaaatt taatactagt ttatttaata 19260
gtagtttatt taatacatat tagtgtatga ctagtgggta ctgtattgaa caacaaagat 19320
cccaaataag tattccagcc tagatttttt ttttttttga gacggagtct cactctgtcg 19380
cctaggctgg agtgcagtggt tgtgatctca gctcactgca acctccgcct cccgggttca 19440
agtgattctc ctgcctcagc ctcccaagta gctgggatta taggcgtgca ccacatgcc 19500
aggctaattt tttgtatttt tagtagagac agggttttgc catgttggcc aggctagact 19560
tgaactcctg acctcaggta atcgcccgc tcggcctcca gcctagaatt ttgagctgca 19620
gactggtgga cctattgtct tcacaattac aaaagctgga aacctgagg gcatccttga 19680
cctcctctcc ttcctctcac cctatgtctg atctgtcagc agatcctgtt gttctacctt 19740
tggaatagct tctgggacct acagcccca cctgggtctct gctgctttac ttgtggaggt 19800
cctgctgtc ctccagggtc ctggctgggt catctcctcc agaggagacc ctcttctgt 19860
gctccgtagc ctgtgggctg tgggtgcctg tgctgtcttg acaagcattt gctcaagtaa 19920
actggtctcc ctagctcacc tgacttgacc agaacaagaa cctcacatac cagtgtgaac 19980
agaactggga gagagggtgt taggaggcct ttcatatctt acctagatag cagtagcttc 20040
tcatctttca ccttttcttt cttttttttt tttttttttt tttttttttt ttgagacgga 20100
gtctcgccct gttgccaggc ctggagtgca gtgggtcgat ctcagctcac tgcaacctct 20160
gcctcctggg ttcaagtgat tctcctgcct cagcctccca agtagctgag atttcacttg 20220
cccaccacca cacctggcta atttttttgt ttgtttgttt taatattttt ggtagagatg 20280
gggtttcacc atgttggcca gactggtctc aaactcctga cctcaagtga cctgcctgcc 20340
tcagcctccc aaagtgtggg gatttcaggc aagagccacc acgcctggcc ctctgttttt 20400
ctttttaaag aacaaagctc tgggtatagt ccccatcacg ctgtatcacc gttactcctg 20460
cagatgtgtg aacctgcctg gctagaggtg gaatctatgg gagcactcag tcaccatctg 20520
gtgtgggagg gagggagaga agcatgaagg gacggggaag agtgtggaag gggaggggta 20580
aaggagaggg aatgggtggc cctcacctca cttttgtccc tctcagttac agctcagacc 20640
ctcccctagg tttcccaggc gtgccagggg aagccttgcc ctctggccag gcaaagccat 20700
tggaagtctg taaaggtcac acacagagaa acagcagcag tgctgatgat agcaacgtcc 20760
cctccctcg tcccctgccc catgacaggt aggcagtcac agcccagccc cgaggaagga 20820
gcagtcctcc ctctccctgc cacacacccat agatcttctg gatgccctgg agatcgtcct 20880
ggggcagctt gaagtgtgtc gtctccatgt actggtagaa gggcgccatg atggcgctgg 20940
ggtcgctgga gtgctccagt cccagcgcgt ggcccagctc atgcacagcc accaggaaga 21000
ggtcgttccc
  
```

&lt;210&gt; 2145

&lt;211&gt; 21024

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2145

cggaagtgga aacggaaacc tttttaggga gtccaaggta cagtcgccgc gtgcggagct

60

2201

FILED "200560"

caaaatatac	agctaattgcc	aagagctcag	cttccctccc	agttggtgat	ggtgaagtag	3780
gcaggattta	ttgggattcc	tgggtggtct	ctggcctgcc	ctgggtgttt	tccagatcag	3840
tgggttgag	ggctgggctc	tgggcctaaa	gctttcctgg	gaaagctgat	tgggctgggc	3900
tgagtggat	cctcagcccc	tagggctcag	caggcatctt	gtgtattcac	cctctaattt	3960
gggtttctcc	agggaaacagg	cacggtctcc	tggtagccaa	caataccacc	gaccaggagc	4020
tgcaacacat	tcgcaacagc	ctcccagaca	cagtgcagat	taggcgggtg	gaggagcggc	4080
tctcagcctt	gggcaatgtc	accacctgca	atgactacgt	ggccttggtc	caccagact	4140
tggacaggg	gaggcagccc	aacttgaccc	aagagtcaca	gggccatcct	agtcagtgg	4200
tagccactgt	tctttcccaa	caggcagcaa	ttaggggtct	ctcctgtggt	ttttctatat	4260
gggtcttga	gtttcaggta	ctcattggaa	tagtgataac	agaggcctta	tcaagtgtca	4320
gaaagaagct	ggggagggtta	tgaatccttc	atgattgggg	agattgaacc	atccagtcct	4380
gcacctctgg	ccaggatagg	tgattgactg	ttgaactttt	gactgtgggt	gagaggggaa	4440
agaagtgata	ttgagaccag	cctccagctg	ttcaggcat	gcatgaatat	taggggcttc	4500
acagctgccc	ttgactctgc	tctaagctgt	acttctcct	ttctctgggt	gaggctttca	4560
tatgaggtac	agaggagaaa	tgaggggtc	agggagccaa	ggcctggatg	cttctgggca	4620
tggagaacct	tggttctggg	gctgtaagtt	ctgagccctg	aacacaatat	ctttgattga	4680
caggagacag	aagaaattct	ggcagatgtg	ctcaagggtg	aagtcttcag	acagacagt	4740
gccgaccagg	tgctagtagg	aagctactgt	gtcttcagca	atcagggagg	gctgggtgat	4800
cccaagactt	caattgaaga	ccaggatgag	ctgtcctctc	ttcttcaagt	cccccttgtg	4860
gtaagcattc	ctgtcctctg	aaccccgctc	ccgaggcag	atcctttcgc	ctagtgtttg	4920
ggagtctggg	tcattacctg	ccacagtgtt	ggagtggggc	tgcaggctcag	ggaggagcag	4980
ggttttgggga	gagtcttcat	tgaggagggga	gagaatttgg	tgccgtgact	cacattgagc	5040
ccatcccttg	gcaggcgggg	actgtgaacc	gaggcagtga	ggtgattgct	gctgggatgg	5100
tgggtgaatga	ctgggtgtgcc	ttctgtggcc	tggacacaac	cagcacagag	ctgtcagtgg	5160
tggagagtgt	cttcaagctg	aatgaagccc	agcctagcac	cattgccacc	agcatgcggg	5220
attccctcat	tgacaggtac	ctggggcctc	tcctttcttc	tgctcaggg	tgggggttaa	5280
cttgcatatt	gagagtatgg	ggaaaagatg	tcactagaa	tgggagccta	ccagtgtgtt	5340
ctggtagctt	ctcgagtgtg	agagcatatc	tgtacactgc	tgagcagata	agagccagca	5400
tattcaaaaa	atatttcttg	agcatctgct	aatcctcatc	tttgtggttt	ttcagggcta	5460
ggatactaga	gcagtagctg	cttgagcagc	ttgtcagagc	tgggtcccgg	atgagggctg	5520
aggcaggcac	ctcacttgag	agttaggtgg	gctctgtgaa	acagctactg	accgtgcgct	5580
ttcctttctc	ttcagcctca	cctgagtcac	cttccaagtt	gttccatggg	ctcctggctc	5640
tggactgtgg	ccaaccttct	ccacattccg	cccaatctgt	accgatgct	ggcagggagg	5700
tggcagagag	ctcactggga	ctgaggggct	gggcacccaa	cccttttcca	cctgtgctta	5760
tcgcctggat	ctatcattac	tgcaaaaacc	tgctctgttg	tgctggctgg	caggccctgt	5820
ggctgctggc	tgagggttct	gctgtcctgt	gccaccccat	taaagtgcag	ttccctccgg	5880
gccattctga	atgtgatgtt	tggggccctc	agcctgtgta	caatccctgc	actctccagt	5940
tgttccagca	ttcttggaag	ataggggtgg	atgaacacaa	cacacaccca	acccagttca	6000
ccacctccac	acacgccatt	cccttctcct	ctaccatcag	gatgtgaggc	ttcatcctgg	6060
ggcaagaaac	actctccact	acagttctcc	ttttttcttt	tttctttttg	aggcagtgtc	6120
tccctctgtc	acccaggctg	gagtgtttgt	acgcaaggat	ggctcactgt	agccttgacc	6180
tgttgggctc	aagcgatcct	ctcgcctcgt	ttattttttt	gtagaaacga	agtcactgtg	6240
ttgcccagge	tggttttatac	tcctgaactc	aagcgaccca	ccgcctcggc	ctcccaaagt	6300
gttggggatta	caggcgtgag	ccacggcgcc	cggctctagt	ctcacagttt	tcacccgact	6360
tctgcgccgg	tcttctcttg	ccttgaaagg	cagagagtcc	gttccgattt	tcccctgagc	6420
tgggcaagtc	ccctgtgaga	gctctggggc	atctggcttc	ggggcattct	ttgactaagg	6480
tggatggagg	ttgcaggctc	tttcttgggt	gggcgtgggg	cggggcagcg	ggttcccagc	6540
gtcctcctgg	cctgggcgtc	ttggaggctg	ttgggggtgca	ttccgtcccc	ttgcgcgggg	6600
cggggccttg	aggcgctggg	gcgggattgg	cgggggacgg	tcgcggagcc	ccgccccgaa	6660
gcacagggtc	gagtcccttc	tttccgctcc	aacgcacgga	gggtgaggtt	ggtacgcggt	6720
ggtggcgcta	cggcgccagc	tcctcccagc	gccgaggtgg	gttccgggag	acccgcgggt	6780
ctggctgcga	gaggtgaggg	cagagccggg	gcggggccct	agcgggggtg	cccggcgacc	6840
cagaccttaa	agggcttctc	ttcttgca	ccatgggggc	tcagctaagc	ggcggccgcg	6900
gcgccccgga	gcctgcgcaa	acccagcccc	agccccagcc	ccagcctgcg	gcgcccggag	6960
gcccgggaaca	gccccggcat	ccgccccagc	cccgccccca	gccccagccc	cagccccagc	7020
cccagcccag	cccagcccga	gcccgtgggg	gcccgtggac	gacgtgcgct	tcctcatcgc	7080
ctgcaactcc	tggtaactgac	ggcgctcctc	gcaggatgtc	gcccgtctgt	ccgcccgtcc	7140
ctgtgggtct	tgcctgcctt	gtctcctctc	cccacgtccc	tgcgtctctt	acacccccct	7200
ccacccgagg	ctccccagag	atagcagaga	attcgaagag	gtcgccgggg	actggaaaga	7260
agtcgccgca	gggcgcgctt	cgcagtctac	acccagccct	gcttcccagc	ctacacccag	7320
accagctca	gaccttcgtg	accaccccat	ccctttctcc	ggctggctgg	gtcgggggca	7380



FILED 2020-05-15

gagccttctg	ggagagaggc	tgggcagccc	tgccaatcac	tccctgggca	accaccccag	11100
ggctcgagca	acagcctgag	cggcccagcc	agtgggcaaa	gcagcttgct	tagggcgtcc	11160
tcattggctg	gcttcccacc	gtggctaggg	ctttcattgg	tctcggtcct	tgatgtcacc	11220
tgtctctgag	gctccccaac	aagggagatc	ttgtgcgtaa	agcatcaggt	atacaagaca	11280
gccaacaaat	agcagctgtg	gccattggct	ttctcagcag	tgaagcctcc	tcagagactc	11340
cttcccagcc	atctctaaca	cggccccctc	tagctcgttg	ctctctccca	gcattttattt	11400
cctttttttt	tttttttaag	acaaggctct	actccattgc	ctaggctgga	gtacagtggg	11460
gcagttgtaa	ctcactgcag	cctcaaactc	ctggtcttaa	gcaatcctct	ggcctcagcc	11520
tcccaagtag	ctgggactac	aggcacatgt	caccacgccc	agctaatttt	tgtatttttt	11580
ttttgtagag	atggaatctc	actatgttac	tcaggctggg	ctogaactcc	tggcctcaag	11640
tgatcctccc	acctcagcat	cccaaagtgc	tgggagtcct	tcccttatag	cgtctgttgc	11700
catcttgctt	tatgccccta	gacttgagcg	tctgcaagtc	ctgttgactg	ctacgtcccc	11760
agctcccacc	acacaagctg	tctattatta	tggagttagt	gaatgaatcc	tgtcaatcca	11820
cataaactga	aacctatgat	gatgacaatg	atgatgacga	tagcagctaa	aatatacagc	11880
atggatgggtg	tgctaggcat	tatttctaag	tatgctacat	aatttgtctt	ctttaatcct	11940
cacaaaacca	ttatataaag	gtaggtagctg	ttattatcat	tttataaatg	agaaaacaga	12000
aaacttatta	aagatttgct	cagattcata	gtgagtggta	ctatgggtgg	tacgaacca	12060
gccagtcag	ctctagagtc	tgtgtttttg	accatatcaa	tggagatcta	tttaacaaac	12120
actcctggag	gcccactctg	catctggcca	ggctagcagc	tccctctgag	aagctcctag	12180
gctgggtggg	agacaggctg	agtgtctgat	ggcagtcgtg	ggggctgggtg	gccagcatgg	12240
cttctaggag	gagttcagga	aacataaaaa	gtttctctct	tgatgcagtg	gctcacactt	12300
gtaatcccag	ggctttggga	ggctgaggtg	ggaggattgc	ttgaggccag	gagtttgaga	12360
ccagcctggc	caacatagtg	aaacctgtt	gctacaaaaa	aatgtaaatt	agccaggcac	12420
agtggcatgt	gcctataatc	ccaactactc	gggaggctga	tgaggcagga	ggatcatttg	12480
agactaggag	gttgaggctg	cagtgaagta	tgatcatgcc	acagcattcc	agcctaggcg	12540
acagagttag	accttatctc	ttagaattta	aaaaaaaaatt	ttttttgaag	gttttctttc	12600
catcttcttg	ccctcgagcc	ctgtgaaaaa	gtggctttga	aacatgcatg	cccatcattg	12660
cttttcagat	tgggtaactc	aaggcgtccc	tggagtacac	tgaggataag	tgtttgagaa	12720
atgctgtctg	aaggaatgaa	gtcagctctat	gacaacgtct	ctctgccgtg	aatcattcct	12780
gcagatgaaa	aagtgtgact	tggcagctgg	taagtgaatt	aatggaccac	gtgaacatgg	12840
gtagatatga	ggcagttgtc	tgccaccagg	tgttttttca	aacctggacg	cccatgggca	12900
ctgagtatgc	ccgtgggcac	tgggtaggag	cacataaaac	cggctcccca	tgcccaccct	12960
ggcccggccc	ttacgtacat	ccttccttgc	tgatgaaggc	tccttgggga	gcctgtggga	13020
tgcccttcca	cacggtgatg	ggcttagggg	agccagggtc	cgtggcccgc	cgctcctcgc	13080
tgtagcgcca	gtaccgctcg	cctttgaaaa	agtaggtcct	gcccacaggt	tcccagcgca	13140
gagctgtgtc	aatgccttca	cggggcaaac	agctgcccag	ctccccaggg	ctgtgggggt	13200
accaggtctc	caccgtcacc	tccttaaact	cccaatactt	gtcacctgtg	gccaagagga	13260
gcccaggatc	agcttcccca	gtcactcagt	cgcgtttgcc	catcttcagg	gtgtcagggtg	13320
aaaacagctc	gatgccctca	gccccttggc	ccagttagag	ttgggaaggg	cacgaagcct	13380
gaggccagtc	acagatcctg	gacaacttgc	ctctgtctgc	tgggctccga	gtcccaccct	13440
cttttgttca	tgtgacttgc	tcctctctcc	tctctggtga	tctcagccac	ttacatgact	13500
ttgcatatgc	actaccactc	cccaaacctg	ctaccagtga	cacccgactc	tgaggctctc	13560
ccactggacc	tgagcagcag	agccagaaac	cctgacctcc	ctcggcctac	cggcagctct	13620
gcattggctg	gctccccaga	gctcctcatc	tgcaccacag	aggggctccc	tcctcatcac	13680
cttctgcctc	ccagggtccc	aacaggggag	cctagcctca	ctgttgacct	tctctttcct	13740
tctcctctca	gtattcagcc	acttcttttt	tttaagatgg	agtttggtct	ttgttgccca	13800
ggctggagtg	caatgggtgtg	atctcagctc	accacaacct	ccacttctctg	ggttcaagcg	13860
attctcctgc	ctcagcctcc	tgagtagcta	ggattacagg	cacgtgccac	catgcttggc	13920
tagtttttgt	aatttttagta	gagacgtggg	ttcaccatgt	tggtcaggct	ggtctcaaac	13980
tcctgacctc	aggtgatctg	ccagccttgg	cctcccaaag	tgctgggatt	tcgggcgtga	14040
gccactgcgc	ctggccgaggt	attcagccac	ttctgaggcc	ctctgactct	cctggcagct	14100
gtccccctgc	cttcagctgc	acggctcctc	cctcatttgg	gcctcatgag	tggcgcgctc	14160
cagaaccacc	tcagaaatgg	ctgcccctgc	cctgcccattg	ctgtcacctc	ctgcccctctg	14220
gctctctgct	gctcggaaac	attccatgaa	tttccagcct	tggcctaattg	gatcaagacc	14280
acattctggc	ctggcagcca	gggctcttca	ggatttgcct	ccaaatgacc	tttctggggc	14340
atttctcaca	gcttttccaa	gcggggcctc	cgtggccatc	aggtgggcct	tctaagccct	14400
gtggccgtcc	gtacacatcc	cagcccctgt	cctttatttca	gccgttgtcc	ctctggaatg	14460
ccttccttgc	ttctcactat	ctgtatctca	cccatctgag	gtctggcccg	agtcaagata	14520
actgtcatga	aacaacctag	cacagtgtctg	ggtacagggt	gggcacctta	gctccctccc	14580
acaccctccc	ccgacctccc	cagcttgaggt	gacctcttcc	ctctgggttc	ttacagaact	14640
gacccgatgg	cctcccatga	ggtactgggt	ggtcttcaat	tgcttgtccc	acactctact	14700

FOI b7D, b7C, b7E

tcatgtggac	gaagctgggc	acccacacaa	tctcggcaca	tacagattct	cagtctcact	14760
ttctgacttg	atttgtcaga	ggtcagtgct	tccgttagac	tagaggggcc	ctctgaggac	14820
atctgcctcc	caccccgctt	cttcagtttt	agatgggaaa	aaggagggtcc	caagaccttg	14880
ggcagggaaac	tgtccacacag	cacagtctac	attacctttg	aagaagacaa	atctcccatc	14940
ggcccttttca	taggctgcgt	cgatgcgggc	aggcaggccc	ttccagaact	gctcgatctg	15000
catggggtag	ccctcctgca	ctcggttatt	gcgcagacgc	cagaaccagc	gatcctggga	15060
ggaagcggga	gagggggaga	gaggtgtgtc	aggccctgcc	tccgaaccca	gtgattgcag	15120
ctgtggggct	taggtcccaa	cagcccagcc	ctccaccgag	actgtccatt	agctgcttct	15180
gactttttaa	gccctgggag	gaagacagga	tgctcctgta	actgtcttca	attcagcctc	15240
ctgctgactc	ttgctgctgg	gtggacaatg	agacaaacag	cagacaggcc	tggtgtggaa	15300
aaggagggtg	gagggagccg	gaaaggatga	tgttggggcc	tggagtggcc	acatgggggc	15360
agtggaagct	cactaacatc	agccagactg	gtcctcggga	cagtgggagg	ctgggggtgt	15420
cactgagcct	gggcccagcg	ccctccatga	ggctggctcc	atccagcagg	gccaggatca	15480
tgggaagcaa	gtcatgggaa	ttccctcgag	acctgggcat	gaattcacat	tcctccattt	15540
atagctgcat	gacctaggcc	tcacctgcaa	gtgcaggtaa	taatggagaa	tcagatgaga	15600
gattctaggg	aaaatgcccc	gaccagtacg	gggcacacag	tccatggtga	gtaaatggca	15660
gctaaatagt	ccgagtccag	taaaaacgcc	tcttgtaact	ggtgcctcag	tcttgggctg	15720
gtacacaagc	agtctaggca	aggcctgtag	ctccaggccc	tcagttttct	ttcttttttt	15780
tttttttttag	atggagtctc	gctctgtcac	ccaggctgga	gtgcagtggc	gcaatctcgg	15840
ctcactgcaa	gctccgcctc	ccaggttcat	gctattctcc	tgccctcagcc	tcctgagtag	15900
ctgggactac	aggcgcccg	caccacaccc	ggctaatttt	ttatatTTTT	agtagagatg	15960
gggtttcacc	atgttagcca	ggatggctct	gatctcctga	ccttatgatc	cgccctcctt	16020
ggcctcccaa	agtgttggga	ttgcaaggcg	tgagccactg	cgcccagcct	ccaggcctca	16080
gtttttcttat	gtgtaaatgg	ggatgataaa	acccggacct	gcctatgaac	ggttcagttg	16140
gatcaaagta	gaatgagtgc	agaagaagaa	gcatgatttg	taaaagatgg	tacaaaagct	16200
agtatttttaa	aagggtgtttt	acaaagcact	ttcacatcca	ggtttttgac	cttattttga	16260
ctttcatgtc	tctgttaagt	tgatctgaga	tatacgaggt	cttaagaaaag	gccagggtgac	16320
ttgcctagag	ccactcagtg	agaagccaga	ctggggctga	ctcacgctgc	ccgattcctg	16380
cgcagtgtct	agtgcgtgct	gggagaaactc	cacaaaggga	gcgaggcagc	ctctttcacc	16440
atcctgtgtg	atggagccac	cctgcccaga	tccccctcag	agaagggtct	gttgccccag	16500
tggccagcag	tgtggccagc	aggcagtttt	caactgtcag	cccccttggg	gatgttccct	16560
gcttcagaga	gctctcctca	gtcactggat	gcccttctct	atccagtgat	tgaatgaggt	16620
aggggttata	atgttccaga	tattttggac	ccaacgtagg	ctgagtgaca	ggccaccgta	16680
gccccagagc	tccttgoggg	ggtggctgag	gctgccatgg	gcctctgttg	ccacttaacc	16740
tctccctctt	ccctgtcctg	cttccttctc	ccccctcaca	atgttgattc	tgaaggtact	16800
ctctaatacg	aatcctgcat	tccagacccc	acctcagagt	tcactccccg	agagcccaac	16860
ctgcaacacg	tcaagcagac	tgccaccctg	tcagtcctatg	gctgatggag	gacagatgac	16920
aagatatacc	ctgggctgct	gccagtagca	ccccctcaag	ccttggtagg	gtctggagtc	16980
agactcagcc	gccactgacc	tagccctac	tccaagttga	ccatcttcag	agccgggtac	17040
tcactggatc	ttcacacact	ctttgttaga	ggaatgactc	ccccagggtt	cggatggaga	17100
aactgaggtc	ccaagaagg	tggtcacaga	ccagaagcca	gcttccagca	ctttctccca	17160
gcgttaaccc	caggggaggt	gagggatcac	ccatctttcc	ccctccctct	tgggaacagt	17220
tgattcaccc	agcagcacta	ggaagagacc	ccatgccctg	gccactgggc	tagctcctgt	17280
ccaggcccca	ttgtaatcga	atcccaaate	aggagccttc	cccagctcca	tgatgtcggg	17340
gaggaggagg	aaaggctcagg	ggccagctgg	gtgggtgcaa	tccattggcc	ctaccttaaa	17400
gacaaacatc	tcgccccgga	agagggccac	tgtgttgaag	ttgccgtcac	agatgttggg	17460
tttggtgctt	ggtgtggatg	gcgggtcccc	gaggggcggc	cgagggggcc	tgggctggcg	17520
ctcgtgtttc	ctctccgatg	gtgagtggat	cctgcgagcg	gggagtgtag	ggagtggcct	17580
tgtgggctcc	agaggctcgg	ctgggggtcc	tggagagagg	agctgcatct	tagagagggg	17640
gcagccgttt	cccgcctccc	attgccagtc	tcagcatcac	ccaggcagct	ctgagacaag	17700
tctgtcccag	ttcagcctcc	tgttccctct	ccccagttta	actccccag	tctttgagaa	17760
aatggatgaa	aatagccatt	agaatgggac	tctcatcttt	ccatccccga	atctgggtatc	17820
ttctcttttc	tctctcctgt	tacagagcaa	tcatgtcctt	ccttagggtc	agcgtctctc	17880
cttaggccat	accctctttg	cccccttcac	acgcactggc	cccacttctc	caccccttct	17940
atttattctc	tttcccaccc	cagtgcagct	tctaccgctc	acccactcca	actgctctgc	18000
caagatcatc	caatggttac	ttgactcaga	ctttaataag	cacatgcata	atctggggat	18060
gttgctaaaa	tgcagatgag	ggctcagagg	gcctgggggtg	gggcctgaga	gtttgcattc	18120
cttcacactc	tcagggtgatg	ctgatgctgc	tgggtctgaag	actacatttt	gagcagcaag	18180
attcatagaa	acactttcct	ggaaacactc	tcttgggtgt	cctcctgcct	catgggctgt	18240
tctttctcag	tctcctttgc	tggctgcgtg	tctcatctctg	ccctactcta	gaggctggcg	18300
tgcccttggg	tcctcttctc	ttccgtctct	acattttctat	ccttaggtca	gtgcttcttc	18360

T03760"23005660

acttgggctg	catattagga	tcacctttgg	gagctttttca	aactggatgt	tcaggaagca	18420
ccaggccagc	tctccaactt	tttttttttt	tttttttttt	ttgagaagga	gtctcgctcc	18480
gtcccccattg	ctggagtgca	gtggcgatgat	ctaagctcac	tgcaacctct	gcctcccagg	18540
ttcaagtgat	tctcctgcct	catcctccca	agtagctggg	actacaggca	cgtaccacca	18600
cacccaggtg	atTTTTTTTT	tttttttttt	tttttttttt	agcagagatg	gggtttcacc	18660
atgttgacca	ggctggctct	gaactcctga	cctcaagtga	tccacccacc	ttggcctccc	18720
aaagtgctgg	gattacaggc	gtgagccacc	acgcccata	cccaactatt	aataaaaacca	18780
aatctctaga	gctgagggct	gggtgtctgt	gtttttttat	tagaatccca	aggtaattcc	18840
aaagggcagc	caagttgaga	atcactgctc	taggtggctc	catccaggct	catggcttta	18900
cagacctgca	tcagagctgt	ccagtagagt	gttctgtgat	gatggaaatg	gtccatatct	18960
gcacgtttca	ctacagtgc	ccctagccac	agccacatat	ggctactgag	gtcttaagat	19020
gaatgactag	ttcttagtgt	gactgagacc	cactaaagaa	ctataactga	aatgataatt	19080
ttaatatatt	tttggggggg	tagagacagg	ggctctcact	tgttgcccag	gctgggtcttg	19140
aactcctggc	ctcaagcaat	cctcccacct	cggcctccca	aagcgctagg	attacagggt	19200
tgagccaccg	cgcccgccct	aataaatata	aatttaaatt	tcattactat	gaaatttaatt	19260
actagtttat	ttaatagtag	tttattttaat	acatactagt	gtatgactag	tggttactgt	19320
attgaacaac	aaagatccca	aataagtatt	ccagcctaga	tttttttttt	ttttgagacg	19380
gagtctcact	ctgtcgcccta	ggctggagtg	cagtgggtgtg	atctcagctc	actgcaacct	19440
ccgcctcccg	ggttcaagtg	attctcctgc	ctcagcctcc	caagtagctg	ggattatagg	19500
cgtgcaccac	catgccaggc	taattttttg	tatttttagt	agagacaggg	ttttgccatg	19560
ttggccaggc	tagacttgaa	ctcctgacct	caggtaatcg	ccgcctcgg	cctccagcct	19620
agaattttga	gctgcagact	gggtggacct	attgcttcac	aattacaaaa	gctggaaacc	19680
ctgggggcat	ccttgaccct	ccctccttcc	tctcacccca	tgtctgatct	gtcagcagat	19740
cctgttggtc	tacctttgga	atagcttctg	ggaccacag	ccccacctg	gtctctgctg	19800
ctttacttgt	ggaggtcctg	cctgtcctcc	agggctctgg	ctgggtcatc	tcctccagag	19860
ggagccctcc	ttctgtgctc	cgtagcctgt	gggctgtggg	tgctgtgct	gtcttgacaa	19920
gcatttgctc	aagtaaactg	gtctccctag	ctcacctgac	ttgaccagaa	caagaacctc	19980
acataccagt	gtgaacagaa	ctgggagaga	gggtgttagg	aggcctttca	tatcttacct	20040
agatagcagt	agcttctcat	ctttcacctt	ttctttcttt	tttttttttt	tttttttttt	20100
tttttttgaga	cggagtctcg	ccctgttgcc	caggctggag	tgcaagtgtg	cgatctcagc	20160
tcaactgcaac	ctctgcctcc	tgggttcaag	tgattctcct	gcctcagcct	cccaagtagc	20220
tgagatttca	cttgcccacc	accacacctg	gctaattttt	ttgtttgttt	gttttaatat	20280
ttttggtaga	gatgggggtt	caccatgttg	gccagactgg	tctcaaactc	ctgacctcaa	20340
gtgacctgcc	tgectcagcc	tcccaaagtg	ctgggatttc	aggcaagagc	caccacgcct	20400
ggccctcggt	ttttcttttt	aaagaacaaa	gctctgggtta	tagtccccat	cacgctgtat	20460
caccgttact	cctgcagatg	tgtgaacctg	cctggctaga	ggtggaatct	atgggagcac	20520
tcagtcacca	tctggtgtgg	gagggagggg	gagaagcatg	aagggacggg	gaagagtgtg	20580
gaaggggagg	ggtaaaggag	agggaaatgg	tgccctcac	ctcacttttg	tccctctcag	20640
ttacagctca	gacctcccc	taggtttccc	aggtgtgcca	ggggaagcct	tgccctctgg	20700
ccaggcaaaag	ccattggaag	tctgtaaagg	tcacacacag	agaaacagca	gcagtgtctga	20760
tgatagcaac	gtccccctcc	ctcgtccctt	gccccatgac	aggtaggcag	tcacagccca	20820
gccccgagga	aggagcagtc	ccccctctcc	ctgccacaca	ccatagatct	tctggatgcc	20880
ctggagatcg	tctgggggca	gcttgaagtt	gtgcgtctcc	atgtactggg	agaagggcgc	20940
catgatggcg	ctgggggtcgc	tggagtgtct	cagtcccagc	gcgtggccca	gctcatgcac	21000
agccaccagg	aagaggtcgt	tccc				21024

&lt;210&gt; 2146

&lt;211&gt; 437

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2146

ggctctgggt	gctttaagaa	tgtctgggag	ggctcgagcag	ggattctgag	gagagagggg	60
tcatttaaac	ctggagggaag	atgttcaggg	aaagcttcac	aaaggtgaag	ttgaagctca	120
gtcttgaagg	atcagaagtt	agtcaggaga	acggattcag	ggggcaggag	aggaaggggtg	180
gggtgtggcat	tcttggcgga	tggaaatgcaa	taaacacagt	ccagagacag	gcagtttcat	240
tccacctggc	tctggaacaa	agcaggaggg	gagggccgga	gagagatgag	gtcagccagg	300
ctggaaagca	gggcgcttaa	tgccatacaa	aggaatttgg	atcagcttct	tggctagtgg	360
gggttttaag	taggagtggg	ggtggtgata	caattaaatc	actctggctg	cagttgaggg	420
aggattagag	ggaacaa					437

<210> 2147  
 <211> 854  
 <212> DNA  
 <213> Homo sapiens

<400> 2147  
 ccaggccctg aaggatgggg aggttttggg cagaggggagg agagagtttag aaaaattttt 60  
 ggtagagaga atcaggtgaa agagatgccc taaagaggac tgagtgggtc tgaggtgaat 120  
 gagtgaggaa gagcagagta tgtggatacc cggaaacaca cacacacaca catcatcatt 180  
 atcatcatca tcattgtcgt cgtcatcatc ttgctgagtc atcatcatca tcatcatcat 240  
 tgtcgtcgtc atcatcttgc tgagtgtctc ttgaagtaca ggctgtgaca ggttgtgggc 300  
 catttttctg aactcaccac ttaccgggga tagtaaacad gatacacatc aataaaggca 360  
 gactttattg tgaatcacag cgcctggtgt atcctgaact ttgaggagtt atgggaggga 420  
 cacgttgggg gaatgggaag ggcaccattc aggccaatta tggggaaacc cctggaggag 480  
 ggtgaatgcc gaaggaggaa ttgggggagt ccaggggctc caagttacca ctgtgacatt 540  
 ttgagagaac ccggggcttt tgcagattct acaaaatgtg ggccaagttc atcctgtcca 600  
 agtgtgcagc agggcccttg gccccatca ctatcctggg gacagaagtt ggctgctgag 660  
 tgagtgatag aggccgtgcg agaggcacat cgtggaagcc aaccagcacc cacatccttg 720  
 cccaccctgg acccctttcc agccttttcc tgagcccttg cttcctcagt cctcccctct 780  
 ctccagcacc tgcagcctgg ctgcctttcc gtctctggct gcgctctttc tccagcctcg 840  
 gtctggccgc actt 854

<210> 2148  
 <211> 437  
 <212> DNA  
 <213> Homo sapiens

<400> 2148  
 ggctctgggt gctttaagaa tgtctgggag ggtcgagcag ggattctgag gagagagggg 60  
 tcattttaaac ctggaggaag atgttcaggg aaagcttcac aaaggtgaag ttgaagctca 120  
 gtcttgaagg atcagaagtt agtcaggaga acggattcag ggggcaggag aggaaggggtg 180  
 ggggtggcat tcctggcgga tggaatgcaa taaacacagt ccagagacag gcagtttcat 240  
 tccacctggc tctggaacaa agcaggaggg gagggccgga gagagatgag gtcagccagg 300  
 ctggaagaga gggcgcttaa tgccatacaa aggaatttgg atcagcttct tggctagtgg 360  
 ggggtttaag taggagtggg ggtggtgata caattaaatc actctggctg cagttgaggg 420  
 aggattagag ggaacaa 437

<210> 2149  
 <211> 854  
 <212> DNA  
 <213> Homo sapiens

<400> 2149  
 ccaggccctg aaggatgggg aggttttggg cagaggggagg agagagtttag aaaaattttt 60  
 ggtagagaga atcaggtgaa agagatgccc taaagaggac tgagtgggtc tgaggtgaat 120  
 gagtgaggaa gagcagagta tgtggatacc cggaaacaca cacacacaca catcatcatt 180  
 atcatcatca tcattgtcgt cgtcatcatc ttgctgagtc atcatcatca tcatcatcat 240  
 tgtcgtcgtc atcatcttgc tgagtgtctc ttgaagtaca ggctgtgaca ggttgtgggc 300  
 catttttctg aactcaccac ttaccgggga tagtaaacad gatacacatc aataaaggca 360  
 gactttattg tgaatcacag cgcctggtgt atcctgaact ttgaggagtt atgggaggga 420  
 cacgttgggg gaatgggaag ggcaccattc aggccaatta tggggaaacc cctggaggag 480  
 ggtgaatgcc gaaggaggaa ttgggggagt ccaggggctc caagttacca ctgtgacatt 540  
 ttgagagaac ccggggcttt tgcagattct acaaaatgtg ggccaagttc atcctgtcca 600  
 agtgtgcagc agggcccttg gccccatca ctatcctggg gacagaagtt ggctgctgag 660  
 tgagtgatag aggccgtgcg agaggcacat cgtggaagcc aaccagcacc cacatccttg 720  
 cccaccctgg acccctttcc agccttttcc tgagcccttg cttcctcagt cctcccctct 780  
 ctccagcacc tgcagcctgg ctgcctttcc gtctctggct gcgctctttc tccagcctcg 840

gtctggccgc actt

854

&lt;210&gt; 2150

&lt;211&gt; 670

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2150

tcggcacagt	gacagaggca	cccagggctc	agcaagctca	tggcccagct	tggtggactc	60
agagggcaga	agaatcacat	tctaaacatg	ataaggtata	gccagcagga	ggcagattcc	120
cagattgatt	ctccagagcc	ttgtaggtcc	caaggggtgcc	tatgacacca	atgggaatct	180
gaaccaacac	agacagcaca	gtcttcttag	gagaccctag	tgcagcagcg	ctggcctcct	240
cctgagcgtg	cacgcttata	tggcttctga	gctggccagg	ctacttcatg	catttggttt	300
aatgggtcct	cgtaaggcag	gagaatcttc	ttgaacttgg	agttgggtct	gtgggtccatt	360
ggtcagtact	ttgttcagag	gcactgaggg	tgggaaggct	catggagctg	gattctgctg	420
ctgggaagct	gggtgggcct	tgtttgtggg	cctcaggttc	aggactgaat	gagagtcctc	480
ttgttgcgag	ttgaggggtg	actctgggca	tgccatgccc	tttttttgta	ctaagagggg	540
agaaaagcaa	agaccagact	agttggcaaa	ttggaaccca	actaccagct	ttatttattt	600
cttaggcgta	gaaggaataa	tttaggggga	actgaagagc	caacctaaag	gaaaaaaata	660
aaataaaggg						670

&lt;210&gt; 2151

&lt;211&gt; 670

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2151

tcggcacagt	gacagaggca	cccagggctc	agcaagctca	tggcccagct	tggtggactc	60
agagggcaga	agaatcacat	tctaaacatg	ataaggtata	gccagcagga	ggcagattcc	120
cagattgatt	ctccagagcc	ttgtaggtcc	caaggggtgcc	tatgacacca	atgggaatct	180
gaaccaacac	agacagcaca	gtcttcttag	gagaccctag	tgcagcagcg	ctggcctcct	240
cctgagcgtg	cacgcttata	tggcttctga	gctggccagg	ctacttcatg	catttggttt	300
aatgggtcct	cgtaaggcag	gagaatcttc	ttgaacttgg	agttgggtct	gtgggtccatt	360
ggtcagtact	ttgttcagag	gcactgaggg	tgggaaggct	catggagctg	gattctgctg	420
ctgggaagct	gggtgggcct	tgtttgtggg	cctcaggttc	aggactgaat	gagagtcctc	480
ttgttgcgag	ttgaggggtg	actctgggca	tgccatgccc	tttttttgta	ctaagagggg	540
agaaaagcaa	agaccagact	agttggcaaa	ttggaaccca	actaccagct	ttatttattt	600
cttaggcgta	gaaggaataa	tttaggggga	actgaagagc	caacctaaag	gaaaaaaata	660
aaataaaggg						670

&lt;210&gt; 2152

&lt;211&gt; 24413

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2152

ccggctcgcg	gcgcgtggag	gctgctccca	gccgcgcgcg	agtcagactc	gggtgggggt	60
cccggcggcg	gtagcggcgg	cggcggtgcg	agcatgtcgt	ggctcttcgg	cattaacaag	120
ggccccaagg	gtgaaggcgc	ggggccgcgc	ccgcctttgc	cgcccgcgca	gcccggggcc	180
gagggcggcg	gggaccgcgg	gttgggagac	cggccggcgc	ccaaggacaa	atggagcaac	240
ttcgacccca	ccggcctgga	gcgcgcgcgc	aaggcggcgc	gcgagctgga	gcactcgcgt	300
gagtgcggcg	gggcggggcg	gggcggggcg	gcgggcggga	cgggcggggg	aagcggggagc	360
cctggccctt	gccgtccttc	gctgctgctg	gcagccactt	cccgggcgag	actgcgcccc	420
cggagcaccc	ccggccggag	ccgtctcgcg	tgccggggag	atcggactct	ttccgtcacc	480
cgtttgcacc	tctgcagctg	tcaggagcgg	gtcaggtgcg	aaaagcgggtg	cggaggtggc	540
gctcataggt	tacaggggtc	agggctctgg	gctggccgtg	gtcttcagtt	accgccgagc	600
gtgcgggatc	cttctgcgct	tgccgcctcc	acgtggcaca	ggccaaggcg	tggccagatg	660
ggtagatggg	tttgttgggt	ggttgctagc	agtttccacg	taacaaggga	agcgtatttg	720

FILED "0905560"

agagttactt	gattctaacg	agactagcag	atttgcaact	cttggttgaa	gacgttagca	780
tttgacggc	gaggtctgtg	aagccacagg	ccaggccgtg	ctgctcagct	tgagtaaacc	840
cctgacccaa	ggccctcagg	gtgtgagcac	tgactgcacc	ttccctaagc	tcgggtctct	900
tccccagcc	ttcctttccc	ctgtggcttt	aacgatttgt	agcacgatgc	agttcaaagt	960
gctaggagtc	tggaacgtag	aaggtgctga	attcattgaa	agaatacagt	ggttctcaac	1020
tcttgtttaa	gccgggggtc	tttctattta	tttatatatt	gagacacagt	atcgccctgt	1080
cgccgaggct	ggagtgcagt	ggtgcgattt	cggctccctg	caacctccgc	ctccgattct	1140
cctgccgcag	cctctcgagt	agctgggatt	acagccgcgc	agcaccacgc	ccggctaatt	1200
ttttttgtat	ctttagtaga	gacgggtttc	accatgttgg	ccagggtgct	ctccaactcc	1260
tgacctcgctg	atccgcccgc	cttgctctcc	tgaagtgttg	ggattacagg	cctgagccac	1320
agcgcccaga	cagaagggat	tccttttttt	tttttttttt	tttttttgag	atgagtctcg	1380
ctctgtcgcc	caggctggag	tgcatgtacg	tgatctccac	tacttgcaag	ctccgcctcc	1440
cgtgttcaca	ccattctcct	gcctcagcct	cccgaatagc	tgggagtaca	ggcgcccgcc	1500
accacgcccg	gctaattttg	tagagatggg	gtttcaccgt	gttagccagg	atggctctga	1560
tctcctgacc	tcgtgattaa	ttttttgtat	tttttagtaga	gacgggggtt	cactgtatta	1620
gccagggttg	tctcgatctc	ctgacctcgt	ggtccacccg	cctcggcctc	ccaaagtgtc	1680
gggattacag	gcgtgagcca	ccgcatgcca	cctttttttt	tttaagatga	tgtcttgctc	1740
tttgcccaag	ctggagtgc	atggcgccat	cttgtctcac	tgcaaaccgc	aacgccctgg	1800
ttcaagaagt	tctgtgcct	cagcctccca	agttagtggg	attacaggca	cgcgccacca	1860
cgcccagcta	atttttgtat	tttttagtaga	gacgtgggtt	caccaccttg	gccagggttg	1920
tcttgaccac	ctgaccctgt	gatccacccg	cctcgacctc	ccaaagtgat	gagattacag	1980
tcctgagcca	ccgcaccctg	ccagcagggg	ttccttttta	gaaagaagat	catttaggga	2040
atccctgggtg	tgaagcagat	ataaacagag	ttccctgttt	taaggaggga	tggcctgggtg	2100
gtacttggtg	ttccatcctg	tgcccttccc	cgggggtgctg	gggaacatcc	tgagctgagg	2160
tttctggccc	cggctgggtc	tcataacccc	agagggacat	tcaggtttgg	gcccaggccc	2220
aggctaacat	ggatagtcct	agctgggcac	caccgacagt	gcgtgttctg	ttttgaagag	2280
atgggggtctt	gctttgtcgc	ccagtctggc	cttgacctcc	tgggtaaaaag	ccgtccaacc	2340
gtctcagcct	cctgaggaga	ggggatgcga	ggctgtctcg	gtaatttttc	ttttttcttt	2400
tctttttttc	tttttttttt	tgacgggagtc	tcgctgtcgc	ccaggctgga	gtgcagtggc	2460
gtgatcacgg	ctcactgcaa	gctcgcctc	ctgggtacac	gccattctcc	tgctcagcc	2520
tcccagtag	ctgggactac	aagtgccgc	cgccacgccc	ggctaatttt	ttgtattttt	2580
tttagagacc	ggttttcacc	atgttagcca	gaatggctct	gatctcctga	ccccgtgatc	2640
caccgcctc	ggccacccaa	agtgtctgga	ttacagacgt	gagccaccgc	gcccggcttt	2700
gctccgtaat	ttttctgtgt	gtttttgaga	ctgagtctgg	ctctgccgcc	caggctggaa	2760
tgcagtggca	tcattctctgc	tcactgcaac	ccttgccctt	ggggttcaag	cgattctcct	2820
gcctcagcct	cccagtagc	tgggatcaca	ggcgcccgc	agcacacctg	gctaattttt	2880
gtgttttttt	actagagacg	gggtttcacc	atgttgttta	ggctggtctt	gaattctggc	2940
ctcagggtgat	tcgcccacct	cggcctccca	aagcgtctgg	atgacaggcg	tgagccgctg	3000
ctcatggcct	tcctcggtaa	ttttaacgat	caggtttagga	tgggaatcaa	gggctggact	3060
tcagggcacc	tcggaggaca	gcggatgttg	gtgactgact	ttcttgctgc	aggcttattt	3120
ggagggttcc	tttgtgtcct	agttcctggg	ggttttcacc	cgctaacttc	acttagagat	3180
tgaaacttct	cccacttcca	gaagctgaat	cgtagtgatc	agcctgcggc	cccctgcagt	3240
ggtacaggcc	tggttgagca	gcctcaggcc	gcctcccat	agtgcagacc	tgtgcctctg	3300
agttgtcca	gtcctggcgg	ccccggagct	cctgaccgc	agtcgcctct	gccggcggtg	3360
ccagtgcctt	ggtctgcctt	ctctgtggtg	gagcggggcc	cggggcaggg	tctccagggtg	3420
caccgtgggg	agccctccat	caggcttttg	ttctgtgga	ttgtgttcca	ggtgtgggct	3480
ctttcatttt	gatcccttct	ctccttctct	gcctcactgc	tggcgggtga	gagaggtttc	3540
tccggagtgtg	actgccccct	ttccccgggt	gccccctgcc	ctgccccctc	gcctggtagc	3600
ccctctgcaa	gcccggcccc	tcccgcagct	cctggcttcc	tccgtgcccc	tttctggga	3660
gcggggctgc	cgagattcgc	cgttgctttt	gtccttgctg	ctctccaggc	aaacgggcgg	3720
ctcctcctca	ccgactgcct	cctctgtccc	ttgaggctat	agccccatgc	cgctcgttc	3780
ccagagtctg	ccctgacccc	tcctccggcc	tgtccttgga	agtcacagca	gtacattatc	3840
ccagaactgt	ctgtgagcac	cagcgctcgc	cctgcactcc	acagaggggg	tgcttgagg	3900
agagcctcgt	gcccctgtggg	tgtgaattca	cgcgctggga	cgcacgtccc	tggcacaggg	3960
tcacacccaa	gtgggtgaatg	attgttctca	ttctaataac	cgagaggcca	cacgggcacc	4020
tgacctgtct	tttccccctc	cctcctcccc	agagtcactg	ggggtaggaa	ctgtcaatga	4080
gccattttca	ggggaggggag	tggcctcagc	ttaatccagc	caaagggtccc	ctcgggagga	4140
aacaggcaga	gtcctcacc	gtgacaccca	cgttctctgt	actgctctgt	ggcaggaccc	4200
tgggggactg	acacaccctc	agtccccctg	gggtcagagt	gagagtgggt	gagagcccgg	4260
ggtcgcttca	gccccttggt	tcccagatgt	agcagccaaa	cccgttgacc	tggcactgtc	4320
ttccctgaga	ggcagggtccc	ggtctcatct	gtgctctgtt	cactggggcc	cccaggttta	4380











```
<210> 2153
<211> 24533
<212> DNA
<213> Homo sapiens
```

2215





0050060  
0920  
2021-10-16

tgagaaaagc	ttgggtgaca	tctgttccct	ggtccttagg	gaccgtcacc	ttcagtcctg	8820
agctcgcagg	cggggttcac	atgttgccctg	ttgtgggcat	tgtagcttta	acgtttaatt	8880
ggcggaaagac	agaagcttcc	taaagcccag	cctgaatcag	ggcagtggtg	ttgggagggtc	8940
ggccccgagg	ggcccttgtc	agggaagcca	cagtgggggc	tgtttctgcc	actggggagt	9000
ttgggaccct	gaacccatcc	cctcagtgac	tgccgtccca	gccgatgtca	cccgtgtctg	9060
tgtcaggggtg	cggcgtctgc	aggccccag	gtgccagga	cgcttgagg	tctgtgggtcc	9120
tggggcggac	gcaacctctg	gattgggtgtt	gagcattttt	ctgggtttta	aggcttttct	9180
ctttttctgc	ggcttcttct	cagcaacttc	tcaatgagga	gaatttacgg	aagcaggagg	9240
agtccgtgca	gaagcaggaa	gccatgcggc	gaggtaggct	gtctgtctct	ctggctgggg	9300
cggaggtggc	gggggctgct	tgtggacccg	gcgtgcactc	tgagcctgag	ttctgccgcc	9360
cggccctcca	tagctaccag	tgcatggggc	gagggctgct	ggggctccgc	gggggtggggc	9420
tgccctctcg	aagacacctc	tgctgtcgag	tggacgccag	gatctgttca	gggagggcag	9480
gagctgcttc	acttcatggg	aagtacaggg	gcctttgttt	tttttttgag	acggagtctc	9540
gctctgtcac	ccaggcagga	gtgcaatagc	acgatctcag	ctcactgcaa	cctctgcctc	9600
ccaggtttta	gcaattctcc	tgccctagcc	tcccagtag	ctgggattat	aggctcccgc	9660
caccacgccc	agctaatttt	tttgtatctt	cagtagagaa	agggtttcac	tgtgttggcc	9720
aggctggctc	tgaacttctt	gatctcatta	tccgcctgcc	ttggccttcc	acagtgtctg	9780
gattacaggc	gtgagcctct	gcgttctgcc	tagaacatgg	gtctttactg	tcctgggttc	9840
agtggggatc	acaggtattt	ggtgccatgt	ggcatttgtt	ggcgagtgtc	ccaggcaaac	9900
gtctgtcacc	actcttctac	ttgggtgggc	ttgtggcgag	gtgtgtgcgt	ttaatgttca	9960
tgagccaggc	acgtggcacg	tcacgcgtgt	ctgagttctg	acagctgtgt	ttctgtgtga	10020
ggggggcttc	cttcagaact	ccgcgttctg	gttttttgct	tcaaagagct	cgtcctgaga	10080
agttgcctag	gcctctgggt	cggatttctg	ccctaatacca	tgggcagggc	cggcctgtgg	10140
cgctgtccct	accaaggtct	gtgtgtgtct	gtggcacggg	cctgtccatg	gactgggctt	10200
gtccgtggag	tgggtcggtc	catggcctta	gcctgttgg	ggcgtggggc	gggtccacggc	10260
atgggcctgt	ctgtggcggtg	ggccgggtccg	tgggtgtggc	ctgtccgtgg	ccttagcctg	10320
ttggtggcgt	gggcccgtcc	gtggcatggg	cctgtctgtg	gcgttgggtc	gtccgtggcg	10380
tgggcccgtc	cgtggcggtg	gccgggtccac	agtgtgggtg	gaggtggacg	tgctgcactg	10440
catggtagctg	agctgccccta	cctctctggg	gcagccaccg	tggagcggga	gatggagctg	10500
cggcacaaga	atgagatgct	gcgagtggtg	accgaggccc	gggcgcgcgc	caaggccgag	10560
cgggagaatg	cagacatcat	ccgcgagcag	atccgcctga	aggcgtccga	gcaccgtcag	10620
accgtcttgg	agtccatcag	gtgagcactg	ccgaggcccg	ggccggccac	agatggagcc	10680
ccgcaggtgt	gagtcgctgg	tcccagggcg	ctctccagct	cttccaggcc	tggccgcccgt	10740
aggctgactc	cttgggtgggg	gcactgcctc	ctgtcctggc	aaggccgtgc	cgccatgtca	10800
gggcctcacc	ctcaacctgc	tctcgctgcg	tggtagcggt	cttcgtgtcc	ttcctgggtca	10860
caccactgct	ttccccgcag	gacggctggc	accttgtttg	gggaaggatt	ccgtgccttt	10920
gtgacagacc	gggacaaaagt	gacagccacg	gtaaacatac	tcataaaaaca	gggctggcag	10980
gtggctgaga	ggcagcatgt	gggggcctcc	tggagcccca	ggtcctgtcc	ctgccggctc	11040
tgcacagccc	tgtagctctc	ccagcacaga	gcaaaccac	gttgtagctg	ctgggctcgg	11100
ctgtcctctc	ctccttgagc	tgggagaaaa	aaatgcagtt	gccagcctgg	gccacacggg	11160
gagaccccat	ctctacgaag	aataaaacat	tagctgggtg	tgatgggtgg	gcctgtgggtc	11220
ctgtactctg	agaggctgag	gtaggaggat	cacttaagcc	caggaggttt	gggctgcagt	11280
gagccaacat	tgcaccactg	cactccattc	ttggcgagag	aataagacct	tgtctcaaga	11340
aaaaaatggc	caggcggtag	tggctcaggc	ctgtaatccc	agcattttcg	gaggcggagg	11400
tgggcggatc	acgaggtccg	gagatcgaga	tcactctggt	aagagtga	ccctgtctct	11460
actaaaaaaa	agaaaaaaa	agaaaaaat	tagctgggtg	tggtagacatg	tgctgtaat	11520
ctcgggaggc	tgaggcagga	gaatcacttg	aaccgggtg	gtggaggttg	caatgagctg	11580
agatccccgc	actgcacccc	aagaccagca	tgaccaacat	ggtgaaaccc	catctctgct	11640
aaaaatacaa	aaattagcag	gccaagggtg	cgtgcgcctg	gaatcccagc	tgcttgggag	11700
gctgaggtag	gaaaattggt	tgaacccagg	aggcggaagt	tgcagtgagc	tgaacccgca	11760
caattgcact	ccaacctgtg	gaagaagagc	gaaactctgt	ctcaaaaaaa	caaacaaaat	11820
aaataagcca	ggcctgggtg	ctcactgggtg	taatcccagc	actttgggag	gccaagacgg	11880
gtggatcact	tgagggtcaga	agttcatgac	cagcctggcc	aacatgggtga	aaacccatct	11940
ctactaaaaa	tacaaaaatt	ggccgggcct	cgtggcacag	gtctgtatta	gctgagtgtg	12000
gtgacctgag	cctgtaatcc	cagtcactcg	ggagcctgag	gcaggagaac	tgcttgaacc	12060
tggaaaggcgg	agggttgcatg	gagccaagat	ggaccattg	cactccagcc	tggccacaga	12120
acaaaaccct	ttctctaaaa	acaaagtcaa	gggcgcatta	agcagctcct	tcatgttctc	12180
agggtgacacc	gtctcaccaa	catggcaaca	ccacctgcaa	cattcaccgt	cacactgacc	12240
aggccaccgg	cagggtgctgc	agtcacagca	gtgggcggcg	gcaccacggc	agagcaagtg	12300
cccactcagt	gccgggcacc	tactgtgtgc	tgggcgggg	ggggggacgg	aggacacagc	12360
catgtgcgac	ctggggcgcc	accacagcag	gccagagcct	gggcacaaaa	gagcgaggct	12420

T02160 2805660

ttaaacgaga	gaagaatctg	aacttcaaac	tctcaggggt	ttattccgaa	taacgaaagt	12480
ttttgcgaaa	tggagtcggg	ttcgctttct	gggtctttga	tttttttttt	tttgagacag	12540
agtctcactt	tcaagtgtgc	tgctcaagtg	cagtggcgcg	atctcgactc	actgtcagct	12600
tcgcctcttg	ggttcacacc	attctcctgt	ctcagcctcc	ggagtagctg	ggactacagg	12660
tgtctgtcgc	cacgcccggc	taattttttt	gtatttttag	tagagagagg	gtttcatcct	12720
gtagccaag	atggttttca	tctcctgacc	tcgtgaatcc	gccgcgtggg	cctcccaaag	12780
tgctgggatt	acgggcgtga	gccaccgtgc	tcagccacag	ccagctaatt	ttttcatgtt	12840
tttagtagag	acgaggtttt	tccaggttgg	ttaggctggg	cttgaactcc	aacctctggt	12900
gatacgccgg	ccttggcctc	ccaaagtgtc	gggattacag	acctggccag	cctaaacgat	12960
ttttaaaaca	agttagagat	tttggttag	tcttgttttc	caggaataaa	gtaccatttt	13020
tagtggccaa	ggatgtacca	gagggtgtgg	ccctgtgaca	tccagctggg	tctgcccagg	13080
gccccgtcca	gcgaccgagg	ctttctagga	tttatgtctg	cagttgcaga	gaaaatggcc	13140
ctgagttagg	gcgttatgac	tgccccacct	gcctcctgta	accgcgtggc	tgtgggattc	13200
ggggctggga	attcgggttc	ctgtggggcc	agcacacggc	cctgtgcttc	tccctcaggc	13260
ggagagaggg	tgggggcagc	cccgtgcgtc	tcctgtctta	ggagggaggg	acggtggggg	13320
ccggtgcgcc	agtgcggtgt	ctctgtctga	ggtggctggg	ctgacgtctg	tggctgtcgg	13380
ggtctactca	gccaaaatg	cgacagccgt	cactggccgc	ttcatcgagg	ctcggctggg	13440
gaagccgtcc	ctagttaggg	agacgtcccg	catcacggtg	ctggaggcgc	tgcggcacc	13500
catccaggta	gcggcgcagg	cctggccctc	cctgagtga	gttccctggc	gagtccttc	13560
tgccccacga	gcacagccca	ccgcacacct	ccgtccctt	ccctttcccc	ggataacagg	13620
caccgcacg	ctgcttcacg	ggtgggtttt	cctgtctggc	gctgtacctt	aggggtctgc	13680
atcagtga	cccttcccc	gtctgcctcg	gtgtcccttg	ctcagggtct	ttgatggggc	13740
ctgggagcac	atcgggggtcc	ttgcaagacc	cgggacttgg	gtgtgcggcc	gtctgtcggg	13800
gaagctgcta	caggccatgg	cgtctgggtg	cctccctggg	gagccgcgcc	gcttgccagc	13860
ccctgaggtg	cctgtctctc	acaggtcact	gggtaggtgg	ttaagaaaat	aaaagccaat	13920
aaggaaccgg	aaaatgcccc	aatcccagca	atagcctcct	ggtctcccgg	cggggcaggg	13980
ttccagctcc	gggcccgtcc	tggctgtgct	ttggggcagc	tccgtttctg	tgtgttaccg	14040
agcatgtgtg	tgcgttgggt	gctgttccgt	ggctgtggca	ggtgacccaa	tgggtgcttc	14100
ccttccccct	cggcagggtca	gcccgcgggt	cctcagtcga	ccccaggacg	tgctggaggg	14160
tgttgtgctt	agtgtaaagt	ggtgtgcctg	ggaccgggga	ggtgcaggga	ggggacccc	14220
gagctgggct	gggctgtggc	ccttgctagc	gctcgtgggt	gcgcccagga	gcttttgggt	14280
cctgagatgc	aactgcttgg	actgtgccgg	ggatagatag	gctgcccacg	agctgggcgg	14340
cttccctgagg	agcagagtcc	gcacccgggc	attcccgcag	cccctgtcac	cgaggcttcc	14400
gtgggtgcag	agtgtctccc	ccaaaccccc	gtcttccccg	gcagcccagc	ctggaagcac	14460
gggtgcgcga	catcgccata	gcaacaagga	acaccaagaa	gaaccggggc	ctgtacaggc	14520
acatcctgct	gtatggggcca	ccaggcaccg	ggaagacgct	gtttgccaa	gtgagagcgc	14580
ctggctgaac	aggtggggcca	ggggccgctg	gggtctcacc	tgccctgcagg	tgtctggggg	14640
cctcagccgc	ctgggggaatg	gacccccctt	aggcctttgc	ctaccctcgt	gtaggctcag	14700
ggtgctgggt	tgggcagcag	cgccctcccat	cttccaggcg	ggggacgtct	cctgtctggc	14760
aggctgtggc	ttccagacag	ggacaccggg	caggggctcc	acactccagg	tggagtgtgc	14820
aggctttgca	gaggcagagg	gaacatctgt	tctgtctccc	ctcactcttc	ttgtccagaa	14880
actgcacctg	cactcaggca	tggactacgc	catcatgaca	ggcggggacg	tggcccccac	14940
ggggcaggaa	ggcgtgaccg	ccatgcacaa	gctctttgac	tggggccaata	ccagccggcg	15000
cgggtgagac	gtccccacag	catgcaccag	gcccttggct	gcggcccagc	aggctgcctt	15060
ctgggaaggg	ggtccagggtg	tctcttgggg	acctgtctct	tctgcagctc	tgtcctgtgt	15120
gccacgcagg	aggcccaatg	gaggggtccc	cggaggga	gtcccctgag	tgtggaccct	15180
ggtggacacg	aggtccccag	cgtgtggagg	ctgccagtg	gatacttggc	tcagggcaga	15240
agggaggtgg	gtgggtgcag	ggggagaggg	gtcttcacag	ctgcagggga	ggctcctcca	15300
cagccgccct	ccccccaaca	cgccctgcag	tgggcgtggg	cactgggttg	cttttctaga	15360
accatttgaa	agttagctga	agacagcatg	gcacactccc	ttcaataggt	cccacagtga	15420
ccccgcgcag	ggcacagccc	gggcacccct	gtggcctcgg	ctgtcctcgt	tggaaaccag	15480
atcctcatgg	ttggcaccct	cccctctggc	ctttgacctt	tcacttttaga	agacctgtcc	15540
ctgcgccagg	cgtggtggct	cacggctgta	atcccagact	ttcggaggcg	gaggcaggca	15600
gatacgaggc	caggagattg	agaccatcct	ggctaacttg	gtgaaacccc	gtctctacta	15660
aaaatacaaa	aaattagcca	ggcatgggtg	tgggcacctg	tagtcccagc	tactcaggag	15720
gctgaggcag	gagaatggcg	tgaacccggg	aggcagagcc	tgcagtgagc	cgagattgcg	15780
ccactgcact	ccagcctggg	agacagagcg	agactctgtc	tcaaaaaaaaa	aaaaaaaaagac	15840
cctgtctcct	gcgtggactc	ttgagcactg	cactgggtcg	ctgtgtgggt	gaaacctgca	15900
gggaggaggc	tgttgcccca	tgtgtgggtg	gctggtgtgt	gggtgaaacc	tgcagggcag	15960
agtctgttgc	cccctgtgta	gttgggtttc	cactgccttc	tgaggctgag	acgtggctcag	16020
ctgcccagag	gccaggctga	tcggcttctg	tcgagtccag	gacttagggc	tcctgatggg	16080





FOI b7D - 20005660

gctgcctctg	ccctggaggc	ctgtgagggg	caggggtctga	gggtctgagg	tgcactatga	23460
cccgggggca	ctgcctggcc	acggctgaga	ctcgcagagg	gtctgcagtt	cccacctgcc	23520
tctcgggaagc	tgccctgggt	cagccgtcag	tggtgctccg	ccttgggttt	tctattatca	23580
gaaagtcatt	gagcaacagc	agtgtctgagg	acgcaggcag	ggctgtgggc	actgcagggc	23640
cgctgccagt	gtccacatgc	gtgctggctc	tgccaagggtg	tgggaagcct	gtgtttcacc	23700
ctgaggttgt	cctggtgccc	ctgggtttggc	ccctccccac	ctcggggccc	tggcgtgcat	23760
taaggggtggc	gggttcccat	agcggcctcc	ctcagctccc	tctctcttca	ctaggccacg	23820
gcatatgcct	ccaaggacgg	ggcctcact	gaggccatga	tggacgcctg	tgtgcaagat	23880
gctgtccagc	agtaccgaca	gaagatgcgc	tggctgaagg	cggagggggc	tgggcgcggg	23940
gtcgagcacc	ccctatccgg	agtccaaggc	gagacctca	cctcatggag	cctggccacg	24000
gaccctccct	acccctgcct	tgccggcccc	tgcacattta	ggatatgctc	ctggatgggg	24060
actgggctgt	gcagggacct	ctgtccccc	ggatgtcttg	tgggtggcgg	cggccgttct	24120
gccccccagg	gcacccctg	ttgtaggcac	tggctaggga	ggggcaggcc	tccttccctg	24180
ccctcgagac	actcttggga	gatgcatttt	ccgtctggct	cacaggggga	gggtgaggct	24240
ttgtacccca	gcccctgccc	aggccactgt	gaggggtggg	gctggctgag	cccctgggcg	24300
agaaggagtg	gggcaggcgg	ggtctttgtt	ctcggctccc	acagcagagc	caggtgaggg	24360
ggggccctgcc	aggactagac	agaagtgggg	cggcctgaac	cctgcttcca	gccatggcca	24420
ggggccacgg	aaccggcgag	gggtgtctga	ggccgccttg	tcagctggcc	ggtccaagcc	24480
tgtggctgga	gctggtgtgt	gtttatctaa	taaagtccca	caggtgcctc	acc	24533

&lt;210&gt; 2154

&lt;211&gt; 490

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2154

atgtcaacta	ctgactagaa	ctggtggaaa	aggttgttta	ctgaaactgc	gaggaaggta	60
gactttaaaa	tgcaggacaa	agactgaaca	tactgatata	ctgattcttt	gaagggaagt	120
ttagaactca	ttgtatctaa	cattattcag	gcttaaaaca	gtttccaatc	cagtgggaaa	180
agtcactcca	tatattccgt	gaagtcaacc	agttccatca	aggagaaagt	cagggccgct	240
gggagcgcgt	ggaccgtggg	ctccggggcg	gcgcctgccc	gggcaccccg	gccccgtcca	300
cgccccgcaa	gaggagctcg	ctggccccgc	cacgcgggaa	ggggtcgccc	cgggggtcttg	360
ggcgggaggg	ccgtgcgggc	tgcgagagaca	ccgaggaggg	gaggcgcctc	tcctgagctc	420
ttggcgcgagc	gaccccgagg	cgccgactca	tcgcggaagg	gctcggcttg	cccggggcgcc	480
ggtgccgcct						490

&lt;210&gt; 2155

&lt;211&gt; 318

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2155

aactggtgga	aaaagttggt	tattgcaact	gcgaggaagt	tagacttta	aatgcagaac	60
aaagactgaa	catactgaca	taccggttct	ttgaagggaa	atrtagaatt	cattgtatat	120
aacattattc	aggcttaaaa	tagttttcaa	tccagtggga	cgagtcactc	catataattc	180
tgtgaagtca	accattccta	tcaaggagag	agtcggggcc	gccgcgagcg	cgtgaaccgt	240
gggctccggg	gtggtgccga	cgcggtgcg	ggccgggact	gacgttgccg	cgggttcgag	300
tactccccctc	cggagttt					318

&lt;210&gt; 2156

&lt;211&gt; 3241

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2156

ttttgatgat	gagctcctag	cttcaaagtc	aggacccagc	ggggctccac	gaaagcctgg	60
gcgacccagc	cactgggcct	aagcctgacc	tgctgcaccc	ctgcctccct	ccacagttgc	120
cgaggtactg	tctgaatgcc	gcctgctcgc	ctacatatcc	caggtgccca	cgcagatgtc	180





T03T60"280560

tgaacacccat	agatgtcagc	cgtacctccc	cacccccagt	taagcagggc	aaggtagatc	3780
caggctgggt	tttagttaaag	gcctgagtg	cagaacaggt	gtcattttac	atcagcctca	3840
gtctaacaga	ttctgggctg	cttatgagtc	ttaacactgg	ccagaggctg	tgatttctag	3900
taggaagaga	atagtcacct	ctattacttt	cagtggcaaa	aatcgcaatt	acttttacac	3960
aacctaatat	gttgaaggaa	gaggtccatg	gaaatggagg	ctgccaggga	tgtctttgtc	4020
agcttctgg	ctcccaagat	aaatgcatac	ctgtagtggg	ctagaaaggg	gcagacttaa	4080
gatctgaaca	cctgagttag	gtgccgttgc	aatcactgac	cttaccagg	ctggcttgc	4140
tgaacttctc	ccccttgtaa	aatagcaata	agcgcagcact	gggtgtgtgt	gcagagcttt	4200
acatctgctt	tctgactcga	tccttacaac	agccccgaga	agggctagta	atagccttat	4260
gttatataaa	caaattttaa	cagggaaatc	attcctgcag	ttctgtttta	aaagatatata	4320
attagtataa	gtgaagcctc	tctcccctct	gatccttgac	attctattct	aatggttcca	4380
tgaagcagct	aattttacca	gttatttagt	tatccttcta	gagacatttt	tatgcttaca	4440
aaggcgaatt	gtattcctct	ttttttacac	aatcagtaat	acagcatgag	cacacttgct	4500
ttcccagtat	tatctctcgg	caattgttca	gttcacgaca	tataaaatac	cttgattctt	4560
ttttactgg	gccttgtatc	ccattgagtg	gcataccata	atattttttg	gggtattaca	4620
aataatgcta	tagtgagtag	tggtgtaaat	atatatcatt	tagtgtttat	atggatctgt	4680
ctgagtgtaa	attcctaag	tgggaattgct	ggtttaaagg	gattatggat	ttgcaatttt	4740
agagctactg	ccaaacactc	ttccctgtgc	aggtcatacc	agtgtgccct	cccaccaaca	4800
gcgtgtgaat	gtacccaatg	cccaagtcac	caacacggtc	ttataaagct	ttgtcatctt	4860
tcccagctctg	aaaaagtga	aaatcagaga	catttgtagg	actccttata	gaggaatttc	4920
tttgctctgtg	gcatagaattg	ccaatgtatg	ttctctgttt	gtcataatttg	gcttgtgact	4980
ttgcttgagt	tttgccatac	agaattttta	aaggtttagg	tggttgatgt	caacaagctt	5040
ctttttgagc	ttctagggttt	attataatcc	ttcagaaagg	cttttccaac	tcttagatca	5100
tttttttttc	tttgacagaga	tttttctaga	tcttagagtt	ttttaataat	tgtatcttac	5160
tttcagctga	aattttatcct	agtgc aaagc	atgaggaaca	ttttgatgtt	aatacgagga	5220
gacaaatctt	aaggaatttg	tttaagggtta	caaagtttgc	acatggtaaa	gctaagagtc	5280
aaaccacagga	ctcttgcac	ccaaaggact	cttgaatcat	atgcaggact	ctctgaatcc	5340
caaactcatg	cttctgtgat	aggaactacc	ggacattatg	ccttgtagga	ttattgtgag	5400
cattaatgag	caaagttaga	aagtgggttt	gtgtgtgtgt	ggcatagggg	atacacggat	5460
gttttcttca	gacctggcc	ctccttactg	acagtactga	tacttgtcct	gaatatcatt	5520
atcgtgtgta	ctgagcagca	ggttttgtcta	gattttttcaa	gcacatttgt	cttaataactt	5580
tttccttctc	atcccattca	ggttcacaga	atgattgcag	agttcaagct	gatccctgga	5640
cttaataaatt	tgtttgacaa	actgatttg	aggaagcatt	cagcatctgc	ccttgtcctc	5700
catggtcaca	accagaactg	tgactgtagc	ccggtaagca	ggagaccccc	ggggacagat	5760
ggggcctcac	tggttggag	tagttgtttc	aagacctgct	gctgaccctt	tgaccttttt	5820
tcctttggga	gtagagcaga	aactaaaatc	atatcttata	gtccccta	tggaagctac	5880
cttgagtag	gatctgagtg	aactccactc	cccaccccaa	cctatgcaga	aatccctttt	5940
aagatcttcc	taggctgggc	acagtgactc	aggcctgtaa	tcccagcact	ttgggaggcc	6000
gagcgggcag	atcacttgag	gtcaagagtt	acagaccagc	ctggccaaca	tggtgaaacc	6060
ctgtctcact	agtgtgagag	acacttgcgt	ctctcactaa	aaatacaaaa	attggccagg	6120
tatgggtgtg	gggtgcctgta	atcccaactc	ttcgggaggc	tgaggcacca	gaattgcttg	6180
aaccacaggag	gcagagggtg	cagtgcagctg	agatcacgcc	actggactcc	agcctgcgta	6240
acaaagtgag	actgtgtctc	aaaaaaaaaa	aaaaaaaaag	ttcctgcctg	aggccctcta	6300
gccaacttcc	ccttgtaatc	tctgtgatag	ggatctcatt	tactccagg	caggggctgc	6360
ccactgcacg	agctagcagc	ctgcttttcc	ttatttgctg	ttttatccta	ttgtaatttt	6420
catccaccta	tagaacctg	ctcccgggcg	tggttggtcac	acccgtaatc	ccagcagttt	6480
gaaaggccaa	ggcgggcaga	tcacttgagg	tcaggagttc	gagaccagcc	tgcccaacat	6540
ggtgaaaccc	cgtctctact	aaaaatacaa	aaattagcca	ggcatgttgg	tggggcacct	6600
gtaatccctg	ctactcagga	ggctgaggtg	ggagaatcac	ttgaacccgg	gaggtagagg	6660
ttgcagtga	ctaagatcaa	gccactgcac	atccggcctg	ggtgacagag	caaagacact	6720
gtctcataca	aaaaaagggtg	gctttgggtt	tttgagccca	agcactctcc	tttagcttgt	6780
gtctctcaca	gtccccttga	gagagctctg	aacaggacat	tggaaggctt	gttggagag	6840
cttgaatgaa	tcactgaatc	tctgagcctc	tgttttcttg	caaaaagaagg	ataatactct	6900
ttcccttatt	ggccccccgg	ctagtgcggc	ccctgcctac	cagcatgaga	aggaaaagtc	6960
tctgggacct	aaaagtgcga	cccagccatc	ggcctgggtg	catggggccc	tcttctcttc	7020
actgcactct	ggggacttcc	ctcagcgacc	tgtcttctgc	tttatcattt	gagtttttaa	7080
tttcaagcaa	atatattttg	catttctaga	tgttctgtct	ggctcaattc	ggaaactgct	7140
tagccatgat	gttaatatct	tttttctgct	gcataattctg	tttttaataca	tttttaaaat	7200
actttcttaa	ggtctctttc	gattgctcat	ggggcactaa	tgcttgtgtt	tggttcttca	7260
gacctcaggg	tggagtggtg	cctcgtgttt	tgtaatgtct	gtggagcggc	caccagaatt	7320
gcttgaaccc	aggaggcaga	ggttgcagtg	agctgagatc	acgccactgc	actccagcct	7380



095000091201

cagttaacca	ggcctctgtg	tgatgtgtga	ccgtgggtgct	tggtgggact	gctgcagcag	11100
ggccaggctt	gagtgtgatt	ggacctgttg	agggtgttgg	gcctttgaga	aaacaagtgg	11160
aaatgtaggc	aaagagaaa	gcccagagct	gctgagggaa	ggggccttgt	cgatgaatgt	11220
ggcaggcagg	ggtcggggat	gggggtgggg	ccaggagag	attccactgc	ctgagagccc	11280
agagtccct	cctgcagggt	ctggctggag	tgagagggtgc	tagaggaaag	tgccctgggtg	11340
cttctcagat	tctgtccaca	ggaagtgggc	aggagactcc	ctacactagc	ctgggtgctga	11400
cccagcagcc	ccagttcctg	tcctttacct	cctccaaccc	atthttgtttc	aggaacaagt	11460
acttgttact	caacaaccag	gagctgaatg	aactcagtg	catctctctc	aaggccaaca	11520
tccttgaggt	ggaagctgtc	ctcaacaccg	acaggtgagt	gcaggggtgc	agcttttccc	11580
tcagcccac	ccggctgccc	acgttccccg	ggggctcacc	ggtgagcaca	tcagggtatg	11640
cacgctgtc	ctctctcaca	tgagctaca	gtgtcctgag	ggctcctgtg	tgccaggcat	11700
tgtattcatg	tcacctgcat	tttctcattg	gagcctcaca	gcagccctag	gaggggagcc	11760
ccatcagtac	ctgcacttga	cagatgaggt	gagcctcaga	gaggtcacct	gccagaagtc	11820
atgtgtgtc	cgcactgccc	caccgccttg	tctcgtgcat	tcagcccctt	tgcttatgtg	11880
ctcctttctt	gcctgggtgg	atctgcagcc	aagcaggaca	gacagaagcc	tcttacctgc	11940
tgccaagtgt	taggttgcat	tacctgggtt	aggtttgcct	cacctggagc	caggcagtg	12000
ggggctagtc	tcacaggcgt	cagaatacag	tggactttat	ccaacaagag	ccatgatttc	12060
ccaacctttt	ttgtttgttt	gtttttgttt	gtttttttaga	cacaaggctt	tgctctttct	12120
ctcaggctgc	agagcagtg	tggtatagct	cactgcagcc	acaaacttct	gagctcaagt	12180
gattctctct	cctcagccgc	ccgagtagct	gggactacag	gtgtgcgcca	ccattcccag	12240
ctagtgtttt	tacttttttt	ttgtagagat	gggtctcac	tatgttgccc	aggctgggtc	12300
cgaactcctg	gcctcaagt	agcctcccaa	agtccaggga	ttacaggtgt	gaaccacctc	12360
tcctggcctc	ccaatctttt	ttttctaagg	tagcagaact	cttcattcaa	ataaaattgt	12420
acccagtcct	gccctgatgt	ctgcagtgga	tcacagcaga	gctgctctgt	ttgaagggcc	12480
cagacccctg	cgtgcctggc	cgtcttcctt	ccccatgac	ggggccagag	tcatttcctc	12540
atctcctgcc	tttgcttcat	agactgggaa	gctgaggctt	ggagttgtgg	acacttgccc	12600
aaggccagct	ggaagtgaac	ctcaggcacg	gagtacgtg	ggcctcacc	tattggcaga	12660
gtctttcccc	atctggcaga	ctggcatgac	ctgtttcaac	acacttttgg	tataaacagc	12720
tctctcttgg	cagttctaa	ccatgtctga	ttctggatat	gtttctggcc	tggaaggaa	12780
agctggcctg	agatgtgggt	ggaatgcact	tggcagttta	attctgtggc	tgagggggtc	12840
tcgggggtc	tggaccaggt	tggagcagga	aggcatcctg	cagacttgga	aatgtcccca	12900
tggtttttca	ccgcctaagc	cagcagaatg	acccatcccc	agggccctg	tcagcctctc	12960
agatctgtca	ccaatatctc	tcttctatth	caggagtttg	gtgtgtgatg	ggaagagggg	13020
cttattaact	cgtctgctgc	aggctcatgaa	gaaggagcca	gcagagtcgt	ctttcagggtg	13080
agtctgggga	aaagtacctg	ccgattctgc	ggggctgcag	agccagggtg	ttctcaggag	13140
gttaggaata	cctccttttag	tcaccagcgt	ccatgcctcc	tgaagcaca	ttactgttgg	13200
ggagagggtg	tttgactgccc	atcttgtgta	gttttgactc	gacaggtagt	tgagagcttc	13260
ttctgcagcc	cacagtggac	gagcattcac	caagcacctg	ttctgtgctg	gtgccttatg	13320
ggtggggag	aactaggata	cgggccctgc	catgaattcc	ctagagctgt	gctgtttcaa	13380
tgcagtgtgg	gaaggaatgg	agccagggtt	ggcccaggag	ctatagcagc	aaaggaaagc	13440
ctcttccgct	gctagggctg	ggggctgggt	gaatacaggg	agaccttctc	tgaggctcct	13500
agatacatct	aagatgagtc	ttgaagtcag	tggacaggta	gagttccatc	agggccgggc	13560
gtgagctgtc	aggaggcttc	atgccacat	gggcctttgt	cacttcagtg	ccttgtccaa	13620
actccctgtc	gtggataccc	gctgtgccct	ctgggtccct	cggtcagcat	caaccactac	13680
ttccctaggc	cagcccatcg	tctgtgagcc	cagtggcctg	tctgcatgtg	ttcgtccgct	13740
tcccacacac	attcctggcc	cctcaattgc	acgtctccc	attcttgtga	aagggcaagg	13800
cctagagtat	gtttcacggg	ggctcgcagg	agccagccct	tcgatcccag	atgttaccct	13860
ttctgtgaca	cagccccctc	cagacagacc	cagatagaag	acttctccac	tgagctggct	13920
ctctgtgagg	atgggggcac	tgctgtgtcc	ccaggcccag	gatgaagcct	gatgcttgg	13980
agatgttcag	taaatgttga	gtacatgaaa	aggcaacaaa	catctcccaa	ccccttgagg	14040
aactgaacat	gggccggaag	agggcagcct	tagccacctg	agccagtatt	tggttcgcag	14100
gttttgga	gctcgggctg	tggagagttt	cctccgagg	accacctcct	atgcagacca	14160
gatgttctct	ctgaagcgag	gcctcttgg	ggtatgatct	ggagcagcca	gtgtcttgg	14220
ttccgtctcc	ccccagccca	cgcgttgctg	tgctctgtcc	tgagcccaa	acagttcatc	14280
aggagcagag	cagatctcgt	gacttccaaa	ggctgtgca	ggctgcctta	gattttgccc	14340
tgggtttcca	actgtgggtt	ccccatgggt	gcttacgggg	tgacagggtt	agaggggtgg	14400
caggccatgc	aggagggtga	cagtttgggt	acccagcaag	gcattttgac	cctgaagata	14460
ttttgtacta	aaagttaatt	ttcctttatt	gaataatggt	cttcagaaaa	agtaaaactt	14520
agagcagaat	ggccaaagtt	ataattgggt	tttcagattt	tttcatatgg	acaagaaact	14580
gaccacgaa	ttataaaatc	catgtggaaa	agaattgatc	caaataatg	taacttcaag	14640
aaaatgtaga	aaactttata	aaggagtaaa	ttggctttat	tctcttgatg	aaaactcagt	14700



TOTAL 280560

gggtgggcccgc	ggaccagagg	cctctcagag	gggtgtcccg	gtgctgggct	tgacctgggt	18420
cctccaggcg	ccccccagcc	cctccctctt	tgcccagagc	tcctgcatca	gcttctcata	18480
ctggaaggag	acagtgtcca	tcctgttgaa	cccggaccgg	cagtcaccct	ctgctctcgt	18540
tagctacatt	gaggagccct	acatggacat	agacagggac	ttcactgagg	agtgccttg	18600
ggccaggcct	cgggaggctg	ctgggccagt	gtgggtgagc	gtgggtacga	tgccacacgc	18660
cctgccctgt	tcccgttcct	ccctgctgct	ctctgcctgc	cccaggtctt	tgggtacagg	18720
cttggtggga	gggaagtcct	agaagccctt	ggtccccctg	ggtctgaggg	ccctaggtca	18780
tggagagcct	cagtccccat	aatgaggaca	gggtaccatg	cccacctttc	cttcagaacc	18840
ctggggccca	ggggccacca	gaggtaaag	gacatttagc	attagctctg	tgtgagctcc	18900
tgccggtttc	ttggctgtca	gtcagtccca	gagtggggag	gaagatatgg	gtgaccccca	18960
ccccccatct	gtgagccaag	cctcccctgt	ccctggcctt	tggaccaggg	caaaggcttc	19020
tgagccctgg	gcagggggtg	tgggtaccag	agaatgctgc	cttcccccaa	gcctgcccct	19080
ctgcctcatt	ttcctgtagc	tcctctggtt	ctgtttgctc	attggccgct	gtgttcaccc	19140
aagggggttc	tcccagaagt	gaggggcctt	tccctccatc	ccttggggca	cggggcagct	19200
gtgcctgccc	tgctctgccc	tgaggcagcc	gctcctgcct	gagcctggac	atggggccct	19260
tccttgtgtt	gccaatat	taacagcaaa	taaaccaatt	aaatggagac	tattaaataa	19320
ctttatttta	aaaatgactg	ctgtggacct	ggcttttgtc	cctaggactg	tgtttttcct	19380
cctgaacccc	aaagaaaaga	atgagaagga	aactggctgt	ggtgtttatt	caggggcccag	19440
ggaaggctga	aggcagcagg	gggcgatgca	gagatggcag	gatcggggca	ggtggcctca	19500
gccagatgtg	caacagcaga	cattcctctt	tagagcccag	ggggtcaggc	cgtcactcct	19560
tgtgctgagg	agaaagggat	agctgagtga	gcagtactac	ctgtcagccc	ccacagtccc	19620
cctgcacaga	gagcaatgcc	cctgccactc	ctcaccttgg	ggcccagggc	gtcccgggtc	19680
cgtgcccgc	gcttgttggc	ctgggtttcc	gccatgtctg	cccgtcctc	cgcacatcc	19740
agctcgtgct	gggccttgccg	atacttggcc	aggttggtgt	tggcctgctg	ctcctggggg	19800
cacacacagg	gccttggttc	cgcttgggtg	actgagatgc	ttattctggt	ccctgcccc	19860
gtccaagaag	ggagctagct	cctcctggtt	ctcaactttg	ttcctattgc	cactgtccat	19920
cctcaccaat	accacagcgg	gaataaggaa	gttgggacgc	accaacttca	tgtgcctttt	19980
tgtgcctgcc	ccacccctca	gaggcagccc	cagccttggc	caggggaaag	cacatggggg	20040
ctgttccatg	agaaggagct	aggtctgac	tccccagaga	tgtagaagc	ttctctcttc	20100
cctctgggtc	actgaccttg	gaggggtggag	ctgctgctga	tgctcacct	ggccacagac	20160
cctggggcag	agctgggggtg	cccgggtccag	gtgtccaggc	cccagcgcac	tcaccgcctc	20220
ctcaaactgg	cgcttgtagc	tcttgacctt	gctctgcagc	ttgtccacca	ggtcctgcat	20280
gcgagccagg	ttctt					20295

&lt;210&gt; 2158

&lt;211&gt; 188

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2158

tctgcgtgat	agttcttcag	gttcacttca	cagattagct	gacacttaac	tgttctggaa	60
gctgggccaa	ggagtgtctaa	catggaaatt	gagtaactat	agttttttgc	ccaaggtaca	120
ggagaataaa	tatgagtaga	tagaatctct	taaattaaaa	atttctccag	taaatttttc	180
ctaagtct						188

&lt;210&gt; 2159

&lt;211&gt; 3241

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2159

ttttgatgat	gagctcctag	cttcaaagtc	aggaccagc	ggggctccac	gaaagcctgg	60
gcgaccagc	cactgggcct	aagcctgacc	tgtctgaccc	ctgcctccct	ccacagttgc	120
cgaggtactg	tctgaatgcc	gcctgctcgc	ctacatatcc	caggtgccca	cgcagatgtc	180
cttctcttct	cgcctcatca	acatcatcca	cgtgcagacg	ctgaccaggg	tgagaggccc	240
cggcagacac	acagcaggga	aggtcgattg	gaaaccactt	cctttgtcct	ggtgcccagc	300
aggtttctgt	ccccactcc	agaagtgcgt	ctctggagac	ccagctcttc	tgaggactgt	360
gctcaggagg	aatcagtgct	ccattgtaca	gacagggcct	aaggaaggag	ggctcgcaag	420
tgccctcagg	tcacaggctg	acttgcaggc	cagtgtctct	cccgcctccc	ccatgtccac	480

T02160" 200560

```

gtccctcaca ccttctgccc tgctgggctt tgggaatcgga cctgaggctg cccaactccc 540
tcactgaata gtcatgcagc cttcccttct ctgagcctcc tgccctctt ttctagagt 600
agggtgatct tagcacctct cagagggtgg ctttgggttc gttctgaggt gaagcaccag 660
gtgggagtg atggtgagtg gggcagaact ctttccccac cgaggcgcg aggctagtgc 720
tgaatggcac ttctgaagcg ggataaccgc cccaacacac gcaccagcc ctgcctggga 780
cggaccttcc ggaaggagtg atgcttgagc ccaggctctg acagggacag gtgttgttgc 840
ctcagggtgg gtgggagtg ggcgtgggga agaggaaggt gctcagtcag gaaactgggg 900
ctgctggggg ccccttccc ccagtcctat ctcacctctg tgcagggaga gctctgtggg 960
tggcccagag cctggggcca ctctcctccc tgctgatgg ctaccaggt tcaccagggg 1020
ccactggggc tcccaccagc ccctgacctt gtgggcctgt ggccttgag gagaacgtca 1080
gctgcctcaa caccagcctg gtgatcctga tgcctggccg acggaaagag cggctgcccc 1140
tgtacctgca gctgctgcag cggatggagc acagcaagaa gtaccccggc ttctgtctca 1200
acaacttcca caacctgctg cgcttctggc agcagcacta cctgcacaag gacaaggaca 1260
gcacctgcct agagaacgtg agtgccccac cctcaagggt gtgatgggtg ggccgcggac 1320
ccagggcctc tcagaggggt gtcccggtgc tgggcttgac ctgggtctc caggcgcccc 1380
ccagccctc cttctttgct cagagctcct gcactcagct ctcatactgg aaggagacag 1440
tgtccatcct gttgaacccg gaccggcagt caccctctgc tctcgtagg tacattgagg 1500
agccctacat ggacatagac agggacttca ctgaggagtg acctgggac aggcctcggg 1560
aggctgctgg gccagtgtgg gtgagcgtgg gtacgatgcc acacgccctg cctgttccc 1620
gttctctccc gctgctctct gccctgggtc cccctgggtc tgagggcct aggtcatgga gagcctcagt 1740
agtcctagaa gcccttggtc cccctgggtc tgagggcct aggtcatgga gagcctcagt 1800
ccccataatg aggacagggt accatgccc cctttccttc agaaccctgg ggcccagggc 1860
caccagagg taagaggaca ttttagcata gctctgtgtg agtcctgcc gggttcttgg 1920
ctgtcagtc gtcccagagt ggggaggaag atatgggtga cccccacccc ccatctgtga 1980
gccaagcctc ctttgtccc ggcctttgga cccaggcaaa ggcttctgag ccctgggcag 2040
gggtggtggg taccagagaa tgctgccttc cccaagcct gccctctgc ctcattttcc 2100
tgtagctcct ctggttctgt ttgctcattg gccgtgtgt tcatccaagg gggttctccc 2160
agaagtgagg ggcctttccc tccatccctt ggggcacggg gcagctgtgc ctgccctgcc 2220
tctgcctgag gcagccgctc ctgcctgagc ctggacatgg ggccttccc tgtgttgcca 2280
atttattaac agcaataaaa ccaattaaat ggagactatt aaataacttt attttaaaaa 2340
tgactgctgt ggacctggct tttgtcccta ggactgtgtt tttcctcctg aaccccaaag 2400
aaaagaatga gaaggaaact ggctgtgttg tttattcagg gccagggaa ggctgaaggc 2460
agcagggggc gatgcagaga tggcaggatc ggggcagggt gcctcagcca gatgtgcaac 2520
agcagacatt cctctttaga gccaggggg tcaggccgtc actccttgtg ctgaggagaa 2580
agggatagct gagtgagcag tactacctgt cagcccccac agtccccctg cacagagagc 2640
aatgcccctg ccaactcctca ccttggggcc cagggcgtcc cgggtccgtg cccgcagctt 2700
gttggcctgg gtttccgcca tgtctgccc ctcctccgca tcatccagct cgtgctgggc 2760
cttgcgatac ttggccagggt tgggtgttgg ctgctgtccc tgggggcaca cacagggcct 2820
tggttccgct tgggtgactg agatgcttat tctggtccc gccccagtc aagaaggag 2880
ctagctcctc ctggttctca actttgttcc tattgccact gtccatcctc accaatacca 2940
cagcgggaat aaggaagttg ggacgcacca acttcatgtg cctttttgtg cctgccccac 3000
ccctcagagg cagccccagc cttggccagg ggaaagcaca tggggctctgt tccatgagaa 3060
ggagctaggt ctgatctccc cagagatgtt agaagcttct ctcttcccctc tgggtcactg 3120
accttggagg gtggagctgc tgctgatgcc tcacctggcc acagacctg gggcagagct 3180
ggggtgccc gtccagggtg ccaggcccc ggcactcac cgctcctca aactggcgt 3240
tgtagctctt gaccttgctc tgcagcttgt ccaccaggtc ctgcatgcga gccaggttct 3241
t

```

&lt;210&gt; 2160

&lt;211&gt; 20295

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2160

```

agggccattt gcgacttgaa gagcgggtccc cataatttgc tgtcatacat ctgcctgggc 60
acttcctggg ggtctggttg gtggcaggag aagggcataa gcaggaggag atgggtcatg 120
ttactgtatt ggctgtgtcc gaatatcttt actttatgtt aaagttgatg aggcacaact 180
attgcagagt ccatttttcc gagtctctgc gctcacctgg ctcttgggat tgtggaggga 240
gttttgcagc tttcagagtc tgtgttttgg gctcatggcc cagccgaatg gccatgctac 300
aagtctgttc agagcaggtt cgaggggcag aaacgtgttt cctcacaagc tgtgactcaa 360

```

TOTAL 2305660

tcctgtctcc	ggtggctgtg	tcagccctcca	ttgtgttccc	tcctccaggg	gcttctgagg	420
agaatggcct	gcctcacacg	tcagccagaa	cccagctgcc	ccagtcfaatg	aagattatgc	480
atgagatcat	gtacaaactg	gaagtgtctt	atgtcctctg	cgtgctgctg	atggggcgctc	540
agcgaaccca	ggtgggcccc	tctccagcgt	ctcaggacac	ggggagcagg	tgctgcccgg	600
gtgctcatgg	tatgccaggt	gctccactgg	gccttctgtt	agaatggctc	tcgcttttagc	660
ctggcaaagc	ataggggtat	ttctccttct	gttctacctt	taaggaaacc	aggctgattc	720
cagaaccggg	agtcttttca	ctgtgccttg	ctgtatggag	cgtttctagg	cagtcttggt	780
tgggtgctgag	ggcagaagca	ggcagttgcc	tctgtgaggt	gaagactaaa	gagttgaaag	840
ctggcaagcc	tggccctgtg	gacatgctag	aggagttgcc	aacctgatgt	gggctcaggg	900
cagtgggaca	gagcccagag	ctgtgtctgc	ttaggaaaac	tgggcaagta	caggagagctc	960
cagatgtgca	aggttccttg	agccttgaag	tagttccaag	acggaggagg	aggggcccct	1020
aacctacagt	ggaggaaaaa	gggcttgga	cagtgcggcc	ctcctcaaga	ctattgagaa	1080
gtagcctttt	cctgcagacc	ggcccttctt	agggaggaaa	ccaagcatgg	gggcaggaga	1140
ggctggaggc	tcagcagtc	ttccacatct	ttctgagtca	gacactggac	tgtcacaagt	1200
ctgggcaaca	gaggtgcagt	tacccccatt	ttacaagtga	ggatgaaaac	gtccagaaga	1260
gaatgaaaga	gtgtaccagg	tgggaggggg	cagtgccttg	gggaggagtg	tgcatagttg	1320
ctggaacagt	gaggcagcgc	gggacagcct	ggagcaaaac	gccaggagag	gagggctgag	1380
ggctcacagg	gaccaggtca	tgtcaagctg	tcacaggcca	ttttaagac	tttggttttt	1440
actctgagt	aagtgagaag	tcattcctct	gactgtcttt	ggaaagactg	gaaacagcaa	1500
ggaagggaa	agggcgacca	ttagggggcc	tcataatagg	gccaagagat	gatagcagct	1560
aggaccagca	cattgatggg	gggactgggt	ggaggtggtt	gcattctgga	tatgttttga	1620
aagataggat	ttgctgatgg	tttggtatgt	aacttaagag	tgaggagagg	agttaagggt	1680
gactcccaag	gtttttcgcc	caaggaagta	ggagaatgga	tttgccagggt	attgaggtgg	1740
ttaagactag	caggtaagg	gtggaggagc	aggcttaggg	aggaagatgg	ggagttgtgt	1800
tttgtacaag	gtagatttga	gggtgtgtgt	agaattgaca	cttggtattga	ttacctacac	1860
ctgggtgttg	ggagatggca	aggctggagg	tatcactttg	ggagtcctca	gcatagtggt	1920
gtatttataa	ccaggacact	ggatgagatc	ccacggtgat	agccacagca	ttggtgtccc	1980
ttccttcaat	acggaacatg	tttttaataa	aaaataatag	ttttagggac	agcttttatg	2040
cattgagtgc	tattactttt	tttagggcct	ttcgagttg	cttatatgtg	aaataattgt	2100
agggacagct	tctgtgcatt	gagtgcattt	actttttcga	ggcactttca	cagttgtttg	2160
aattttcagg	tatttagtaa	gttacacaac	aggtggtgac	tctgtgtccc	cacactcgat	2220
tcttgagaaa	gccagggcct	aaactgggct	gtgcgctcag	gggacaggcc	tggatagagc	2280
caggatttaa	actctgtctg	cctgtctcct	ctttctgccc	tctcacagca	gttctctgtt	2340
ccctgagcct	tcttggttgc	aggttgctat	gagttgtttg	ggtcttgagt	taaactgtat	2400
gattacagt	ctgggttcctt	gggaagggac	cactaatgac	cttgaaatcc	tggcccccca	2460
aaaccactgt	ttcactagcg	tgtttctcatt	tgcacagtca	gcatttcctg	ggtttctgct	2520
gtgtgccggg	caccgtgagg	atctggattc	ccagatcctg	cctacactgg	gtagcaaggg	2580
gaagggtttc	cttggccagg	cctcacagaa	ggcttcctcc	ttaaagaggc	ctcctcgtaa	2640
atgagcagtt	gggccaagtt	ctcagaccaa	tcttgcccaa	attgaaatct	caggactgga	2700
aaggctcccc	atgtgtctgc	aagtttcatc	cctctggtgc	taatgaaaac	catccatata	2760
gcagtcgttt	cttttagtgc	cccctgagta	gcttctacag	tacctcactg	agccttttca	2820
acagctccat	cgtcccccat	cgccttttct	atcaagggac	ttgggttcaa	agaatgttgc	2880
ccagggtcac	agagctatct	tgtgaaccca	gggctgtctg	actgcagaga	taaatgcctg	2940
agcctgtacc	cgctgcctcc	tctggtagag	tggcacttca	tctcgccac	ctgcctacca	3000
tcctgctata	gagcaggcta	cggggcttga	cctgagagta	ggaataatgc	attctacaag	3060
taaaatttgt	tttacaattt	ttacacatga	agaagctgct	attttctttc	tttctttttt	3120
tttttttttt	ttttttcttt	ttttgagaca	gtcctgtctt	gccacccagg	ctggagtggg	3180
gcagtacat	gacctcggct	cactgcaacc	tctgcctccc	cagctcaagc	gatcctcttg	3240
cctcagccct	ccaagtagct	ggggttatag	gcacacacca	ccacaccag	ctaatttttg	3300
tatttttagt	agagacagg	tttcatcatg	ttggccagga	tggcttgaaa	ctcctggcct	3360
caagtgatcc	gcccgccttg	gcctcccaaa	gtgctgggat	taacaggcgt	gagccaccat	3420
gcccggccga	gaagctggta	ttgttaagag	aaaaggga	tgatgtagta	gaaacctcaa	3480
acctaagcac	tggcctgaac	ttaggagacc	cagggtcagg	tccaagtctg	ccttagaagg	3540
ccccctctct	cccagctgtg	tgactcacc	ctaactctct	aagcttgggt	ttctagtctg	3600
tgcagtgagg	caattgcact	ggatgaattt	ttttgggcca	ttgttggaac	attttatagc	3660
tgtgtgacct	gggctggtct	tagggccctt	tggagtgaga	cagggaaggca	catggcttgg	3720
tgaacaccat	agatgtcagc	cgtacctccc	cacccccagt	taagcagggc	aaggtagatc	3780
caggctgggt	tttagtaaag	gcctgagtgg	cagaacagggt	gtcattttac	atcagcctca	3840
gtctaacaga	ttctgggctg	cttatgagtc	ttaacactgg	ccagaggctg	tgattttctag	3900
taggaagaga	atagtcacct	ctattacttt	cagtggcaaa	aatcgcaatt	acttttacac	3960
aacctaatat	gttgaaggaa	gaggtccatg	gaaatggagg	ctgccaggga	tgtctttgtc	4020

0995082 - 091201

agcttctgggt	ctcccaagat	aaatgcatac	ctgtagtggg	ctagaaaggg	gcagacttaa	4080
gatctgaaca	cctgagttag	gtgccgttgc	aatcactgac	cttaccaggg	ctggctcttgc	4140
tgaacttctc	ccccttgtaa	aatagcaata	agcgagcact	ggtgctgtgt	gcagagcttt	4200
acatctgctt	tctgactcga	tccttacaac	agccccgaga	agggctagta	atagccttat	4260
gttatataaa	caaattttta	cagggaatc	attcctgcag	ttctgtttta	aaagatataa	4320
attagtataa	gtgaagcctc	tctcccctct	gaccccttgac	attctattct	aatgggtcca	4380
tgaagcagct	aattttacca	gttattagt	tatccttcta	gagacatttt	tatgcttaca	4440
aaggcgaatt	gtattcctct	ttttttacac	aatcagtaat	acagcatgag	cacacttgct	4500
ttcccagtat	tatctctcgg	caattgttca	gttcacgaca	tataaaatac	cttgattctt	4560
ttttactggg	gccttgatc	ccattgagtg	gcataccata	atttattttg	gggtattaca	4620
aataatgcta	tagtgagtag	tgttgtaaat	atatattcatt	tagtgtttat	atggatctgt	4680
ctgagtgtaa	attcctaaag	tgggaattgct	ggtttaagg	gattatggat	ttgcaatttt	4740
agagctactg	ccaaacactc	ttccctgtgc	aggtcatacc	agtgtgccct	cccaccaaca	4800
gcgtgtgaat	gtacccaatg	cccaagtcac	caacacggtc	ttataaagct	ttgtcatctt	4860
tcccagctctg	aaaaagtga	aaatcagaga	catttgtagg	actccttata	gaggaatttc	4920
tttgccctgtg	gcatgaattg	ccaatgtatg	ttctctgttt	gtcatatttg	gcttgtgact	4980
ttgcttgagt	tttgccatac	agaattttta	aagggttagg	tgggtgatgt	caacaagctt	5040
ctttttgagc	ttctagggtt	attataatcc	ttcagaaagg	cttttccaac	tcttagatca	5100
tttttttttc	tttgacagag	tttttctaga	tcttagagtt	ttttaataat	tgtatcttac	5160
tttcagctga	aatttatcct	agtgcacagc	atgaggaaca	ttttgatgtt	aatacagagga	5220
gacaaatctt	aaggaatttg	tttaagggtta	caaagtttgc	acatggtaaa	gctaagagtc	5280
aaaccagga	ctcttgcatc	ccaaaggact	cttgaatcat	atgcaggact	ctctgaatcc	5340
caaactcatg	cttctgtgat	aggaaactacc	ggacattatg	ccttgtagga	ttattgtgag	5400
cattaatgag	caaagttaga	aagtgggttt	gtgtgtgctg	ggcatagggg	atacacggat	5460
gttttcttca	gaccctggcc	ctccttactg	acagtactga	tacttgcct	gaatatcatt	5520
atcgtgtgta	ctgagcacga	ggttttgcta	gatttttcaa	gcacatttgt	cttaataactt	5580
tttccttctt	atcccattca	ggttcacaga	atgattgcag	agttcaagct	gatccctgga	5640
cttaataatt	tgtttgacaa	actgatttgg	aggaagcatt	cagcatctgc	ccttgtcctc	5700
catggtcaca	accgaactg	tgactgtagc	cggtaagca	ggagacccc	ggggacagat	5760
ggggcctcac	tggcttgagg	tagttgtttc	aagacctgct	gctgaccctt	tgaccttttt	5820
tcctttggga	gtagagcaga	aactaaaatc	atatcttata	gtccccta	tgggaagctac	5880
cttgagtag	gatctgagtg	aactccactc	cccaccccaa	cctatgcaga	aatccctttt	5940
aagatcttcc	taggctgggc	acagtgactc	aggcctgtaa	tcccagcact	ttgggaggcc	6000
gagcgggcag	atcacttgag	gtcaagagtt	acagaccagc	ctggccaaca	tgggtgaaacc	6060
ctgtctcact	agtgtgagag	acacttgctg	ctctcactaa	aaatacaaaa	attggccagg	6120
tatgggtgtg	ggtgcctgta	atcccaactc	ttcgggaggc	tgaggcacca	gaattgcttg	6180
aaccagggag	gcagagttg	cagtgaactg	agatcacgcc	actggactcc	agcctgcgta	6240
acaaagttag	actgtgtctc	aaaaaaaaaa	aaaaaaaaag	ttcctgcctg	aggccctcta	6300
gccaaacttcc	ccttgtaatc	tctgtgatag	ggatctcatt	tactccagg	caggggctgc	6360
ccactgcatg	agctagcagc	ctgcttttcc	ttatttgctg	ttttatccta	ttgtaatttt	6420
catccaccta	tagaaccgtg	ctcccggggc	tgggtggtcac	acccgtaatc	ccagcagttt	6480
gaaaggccaa	ggcgggcaga	tcacttgagg	tcaggagtcc	gagaccagcc	tggccaacat	6540
ggtgaaaccc	cgtctctact	aaaaatacaa	aaattagcca	ggcatgttgg	tggggcacct	6600
gtaatccctg	ctactcagga	ggctgaggtg	ggagaatcac	ttgaaccgg	gaggtagagg	6660
ttgcagtgaa	ctaagatcaa	gccactgcac	atccggcctg	ggtgacagag	caaagacact	6720
gtctcataca	aaaaaagggtg	gcttttggtt	tttgagccca	agcactctcc	tttagcttgt	6780
gtctctcaca	gtccccttga	gagagctctg	aacaggacat	tgggaaggctt	ggtggaagag	6840
cttgaatgaa	tcactgaatc	tctgagcctc	tgttttcttg	caaaagaagg	ataatactct	6900
ttcccctatt	ggcccccccg	ctagtgggca	ccctgcctac	cagcatgaga	aggaaagtgc	6960
tctgggacct	aaaagtgcc	cccagccatc	ggcctggtgc	catggggccc	tcttctcttc	7020
actgcactct	ggggacttcc	ctcagcgacc	tgtcttctgc	tttatcattt	gagtttttaa	7080
tttcaagcaa	atatattttg	catttctaga	tgttctgtct	ggctcaattc	ggaaactgct	7140
tagccatgat	gttaatatct	tttttctgct	gcataattctg	tttttaatac	tttttaaaat	7200
actttcttaa	ggtctctttc	gattgtctat	ggggcactaa	tgcttgtgtt	tgggtcttca	7260
gacctcaggg	tggagtgttg	cctcgtgttt	tgtaatgtct	gtggagcggc	caccagaatt	7320
gcttgaaccc	aggaggcaga	ggttgacgtg	agctgagatc	acgccactgc	actccagcct	7380
gggcaacaga	gtgagactgt	gtctcaaaaa	aaaaaaaaaa	aaaaaattct	gcctgaggcc	7440
ctctagccac	ttccccttgt	aatctctgtg	atggggatct	catttctactc	caggcagggg	7500
gggggctgcc	cactgcatga	gctagcagcc	tgttttctct	tatttgcgtg	tttatcctat	7560
tgtaattttc	atccacctat	agaaacgtgc	tcccggtcat	ggtggctcac	accgtaatc	7620
ccagcacttt	gagagcccaa	ggcgggcaga	tcacttgagg	tcagtggggt	tagtttcccc	7680



095005560  
 2025-09-26

cttctcagat	tctgtccaca	ggaagtgggc	aggagactcc	ctacactagc	ctgggtgctga	11400
cccagcagcc	ccagttccctg	tccttttacct	cctccaaccc	atthttgtttc	aggaacaagt	11460
acttgttact	caacaaccag	gagctgaatg	aactcagtgc	catctctctc	aaggccaaca	11520
tccttgaggt	ggaagctgtc	ctcaacaccg	acaggtgagt	gcaggggtgc	agcttttccc	11580
tcagcccatc	ccggctgccc	acgttccccg	ggggctcacc	ggtgagcaca	tccaggtatg	11640
cacgcgtgtc	ctctctcaca	tgcagctaca	gtgtcctgag	ggctcctgtg	tgccaggcat	11700
tgtattcatg	tcacctgcat	tttctcattg	gagcctcaca	gcagccctag	gagggggagcc	11760
ccatcagtac	ctgcacttga	cagatgaggt	gagcctcaga	gaggtcacct	gccagaagtc	11820
atgtgtgtc	cgcaactgccc	caccgccttg	tctcgtgcat	tcagccccctt	tgcttatgtg	11880
ctcctttctt	gcctgggtggc	atctgcagcc	aagcaggaca	gacagaagcc	tcttacctgc	11940
tgccaagtgt	taggtgtgat	tacctgggtt	agggttgcc	cacctggagc	caggcagtg	12000
ggggctagtc	tcacaggcgt	cagaatacag	tggactttat	ccaacaagag	ccatgatttc	12060
ccaacctttt	ttgtttgttt	gtttttgttt	gttttttaga	cacaaggctc	tgctctttct	12120
ctcaggctgc	agagcagtg	tggtatagct	cactgcagcc	acaaacttct	gagctcaagt	12180
gattctcctg	cctcagccgc	ccgagtagct	gggactacag	gtgtgcgcca	ccattcccag	12240
ctagtgtttt	tacttttttt	ttgtagagat	gggtgtctac	tatgttgccc	aggctggctc	12300
cgaactcctg	gcctcaagt	agcctcccaa	agtccaggga	ttacaggtgt	gaaccacctc	12360
tcctggcctc	ccaatctttt	ttttctaagg	tagcagaact	cttcattcaa	ataaaattgt	12420
accagtcct	gcccgtgatg	ctgcagtgga	tcacagcaga	gctgctctgt	ttgaagggcc	12480
cagaccctg	cgtgcctggc	cgtcttcctt	ccccatgac	ggggccagag	tcatttctct	12540
atctcctgcc	tttgcttcat	agactgggaa	gctgaggctt	ggagttgtgg	acacttgccc	12600
aaggccagct	ggaagtgaac	ctcaggcacg	gagtacgctg	ggcctcacc	tattggcaga	12660
gtctttcccc	atctggcaga	ctggcatgac	ctgtttcaac	acacttttgg	tataaacagc	12720
tctcctctgg	cagttctaa	ccatgtctga	ttctggatat	gtttctggcc	tggaaggaa	12780
agctggcctg	agatgtgggtg	ggaatgcact	tggcagttta	attctgtggc	tgcaagggtc	12840
tccggggctc	tggaccagct	tggagcagga	aggcatcctg	cagacttgga	aatgtcccca	12900
tggtttttca	ccgcctaagc	cagcagaatg	acccatcccc	agggccctg	tcagcctctc	12960
agatctgtca	ccaatatctc	tcttctattt	caggagtttg	gtgtgtgatg	ggaagagggg	13020
cttattaact	cgtctgtctg	aggctatgaa	gaaggagcca	gcagagtcgt	ctttcagggtg	13080
agtctgggga	aaagtacctg	ccgattctgc	ggggctgcag	agccaggtgt	ttctcaggag	13140
gttaggaata	cctccttttag	tcaccagcgt	ccatgcctcc	tgaagcacia	ttactgttgg	13200
ggagaggtgg	tttgactgcc	atcttgtgta	gttttgactc	gacaggtatg	tgagagcttc	13260
ttctgcagcc	cacagtgacc	gagcattcac	caagcacctg	ttctgtgctg	gtgccttatg	13320
ggtgggagag	aactaggata	cgggccctgc	catgaattcc	ctagagctgt	gctgtttcaa	13380
tgcagtgtgg	gaaggaatgg	agccagggtt	ggcccaggag	ctatagcagc	aaaggaaagc	13440
ctcttccgct	gctagggctg	ggggctgggt	gaatacaggg	agaccttctc	tgaggtcctt	13500
agatacatct	aagatgagtc	ttgaagtcag	tggacaggtg	gagttccatc	agggccgggc	13560
gtgagctgtc	aggaggcttc	atgcccacat	gggcctttgt	cacttcagtg	ccttgtccaa	13620
actccctgtc	gtggataccc	gctgtgccct	ctgggtccct	cggtcagcat	caaccactac	13680
ttccctaggc	cagcccatcg	tctgtgagcc	cagtggcctg	tctgcatgtg	ttcgtccgct	13740
tcccacacac	attcctggcc	cctcaattgc	acgtcctccc	attcttgtga	aaggccaagg	13800
cctagagtat	gtttcacggg	ggctcgcagg	agccagccct	tcgatcccag	atgttaccct	13860
ttctgtgaca	cagccccctc	cagacagacc	cagatagaag	acttctccac	tgagctggct	13920
ctctgtgagg	atgggggcac	tgtgtgttcc	ccaggcccag	gatgaagcct	gatgcttgg	13980
agatgttcag	taaatgttga	gtacatgaaa	aggcaacaaa	catctcccaa	ccccttggag	14040
aactgaacat	gggcccgaag	agggcagcct	tagccacctg	agccagtatt	tgggtcgcag	14100
gttttggcaa	gctcgggctg	tggagagttt	cctccgaggg	accacctcct	atgcagacca	14160
gatgttccctg	ctgaagcgag	gcctcttggg	ggtatgatct	ggagcagcca	gtgtcttggg	14220
ttccgtctcc	ccccagccca	cgcgttgcctg	tgtcctgtcc	tgagcccca	acagttcatc	14280
aggagcagag	cagatctcgt	gacttccaaa	tgcctgtgca	ggctgcctta	gattttgccc	14340
tgggtttcca	actgtgggtt	ccccatgggt	gcttacgggg	tgacaggttt	agaggggtggc	14400
caggccatgc	aggaggggtga	cagtttgggt	acccagcaag	gcattttgac	cctgaagata	14460
ttttgtacta	aaagttaatt	ttcctttatt	gaataatggt	cttcagaaaa	agtaaaactt	14520
agagcagaat	ggccaaaagt	ataattggct	tttcagattt	tttcatatgg	acaagaaaact	14580
gaccacgaa	ttataaaaatc	catgtggaaa	agaattgatc	caaataaatg	taacttcaag	14640
aaaatgtaga	aaactttata	aaggagtaaa	ttggctttat	tctcttgatg	aaaactcagt	14700
atthttggtg	aaactctatt	taaacaaatt	cgttcataaa	cacaaagaca	aaccatgggg	14760
tcaaaatgtg	tcctttgctt	ttaaattctg	tccttcattt	acttgaatga	cctcagtgct	14820
taggcagtg	cctgtgtttt	agacctgggtg	atgacagctc	ccctcaccta	ggagctgagc	14880
accccgccca	tcttggtgac	cacagagcag	gtcacaggct	tcagctgtac	gccctgggca	14940
ggggagagat	tgtgtgcat	tcccagctctg	ctccacctcc	tgggtgaggtc	tgtcaggcct	15000

TOTAL 28005660

ggtcctgtcc	ttggagccac	cagcatcctc	agacaagaat	ctagacagtg	ttgccagttc	15060
catccccagg	atgcttgctc	aaagccaatg	catgggtctga	gctccatgcc	aggccctggg	15120
gggggcagcc	acgttgacac	cttcaccctg	tccctcctca	cccagcacat	cctttactgc	15180
attgtggaca	gcgagtgtaa	gtcaagggat	gtgctccaga	gttactttga	cctcctgggg	15240
gagctgatga	agttcaacgt	tgatgcattc	aagagattca	ataaatatat	caacaccgat	15300
gcaaaggtaa	agttaaccga	gggctctgtg	gagtggtgtg	ggttgtccag	aagttcacct	15360
ggagtcctgg	tctgccaggc	tttaggcaca	ggttttacgt	tagagacgac	gggggagtc	15420
gggcagtctt	tggcaaacat	tcattggaac	ctgctctgtc	tggctttgtg	ctagaccctg	15480
ggaatgcagg	gatgaaaacc	ggggctgctt	gtgggtaggg	agtgaggggtg	ggaatgggtg	15540
gcttgtgccc	ctgccgtgac	gcagcatggt	gggtgccacg	gtgggagccg	ctgtagggag	15600
ggactggggc	tgggtgtgta	ggctcacgga	gtgtgtgtga	cagaaaccca	gctcaggcta	15660
gctgaagtaa	aattaaaagt	aaaaattaaa	ggaatccagc	acccttgagc	gtaaaaccac	15720
tggagagagt	gtcggatctg	tgtgaatttc	cggggagtg	ctcttagtac	ctgggtgggtg	15780
aggggaggtc	cctcagctta	tctgagcctc	tgtcttccca	tctgaagcag	tggggctggg	15840
agaggtcgct	gatgccctt	gtagtgacta	tcccccggtg	ccatggccat	acctggccag	15900
cagcccactg	cctgctgtga	gcttggtttc	tgtatagttc	caggtattcc	tgaagcagat	15960
caacagctcc	ctgggtggact	ccaacatgct	ggtgcgctgt	gtcactctgt	ccctggaccg	16020
atttgaaaac	caggtggata	tgaagggtac	atgaaaggca	ggctgtcaag	gcaagtcagt	16080
cagggtaaga	atgctggcat	cagacaccct	gtctccagca	gggagacaag	aatgactgag	16140
ggagctgcac	cagatgccca	cgtggccggc	ctcaaagggtg	cggcttccag	ggcaattggc	16200
tttgcctgcc	tgttcaaac	tttaataaag	tgaatatcca	ttgttgctag	caagatgcaa	16260
agaaaaccag	aaaaagacct	tcctcttctg	ggctgggtatt	gcctggcacg	atgagttggc	16320
ccccctgtcc	tcagtgtgct	gtgcgtggca	tcgcaggtgc	cctgtggtgc	agcaggcatc	16380
tgaaccctcc	tggacttgct	aacgcacttc	catgtgtatg	cgcacgcgtt	tccttttttt	16440
cctaggagag	ggcttgtggc	atccagcaga	ttctcctgag	ggtttgtgac	ccccccacac	16500
ccccaaaaag	tcaggcactt	gttccttgtc	acggtcactg	tcattgatag	caagaagtat	16560
cccggttggt	ggtaatttag	ccgtttgctt	cctttttctg	ccccagaggg	tctgtttcag	16620
gggaacagcc	acacagattt	tggtagcttc	gggtattgcc	ctgcctccca	gttggtgcgg	16680
aagcagttgc	tccgacacta	gtggacggag	cagaaccctg	gccttgtggt	ctcagcactg	16740
ggccggactc	acctgagagc	tgggtgtgga	aaccagttgc	gctaggacct	ctgcagaagg	16800
agtggaaact	ttgcgttggt	tttcttaaat	cagcgtcatg	gatccatctt	cctgtggagg	16860
gaactcttct	gtgtgtgata	tggagggcac	gggtctggag	ccagtctggg	gagggctgag	16920
ggagagctgc	cctgagcttg	gttctggagg	atgaggtggg	gtgctcctgg	gactctgag	16980
aacatggctt	tgcctggtag	caggacagct	ggaggtcctt	ccttctgcca	cagtcagctt	17040
tcgttgaagc	tgttttgatg	atgagctcct	agcttcagag	tcaggaccca	agcggggctc	17100
cacgaaaggc	ctggggcgacc	cagccactgg	gcctaagcct	gacctgtgc	accctgtcct	17160
ccctccacag	ttgcccagggt	actgtctgaa	tggcgctgc	tcgcctacat	atcccagggtg	17220
cccacgcaga	tgtccttctc	cttccgcctc	atcaacatca	tccacgtgca	gacgctgacc	17280
cagtgagag	gccccggcag	acacacagca	gggaaggctc	attggaaacc	acttcctttg	17340
tcttggtgcc	cagcagggtt	ctgtccccc	ctccagaagt	gcgtctctgg	agaccagct	17400
cttctgagga	ctgtgctcag	gaggaatcag	tgtccattg	tacagacagg	gcctaaggaa	17460
ggagggctcg	caagtgccct	caggtcacag	gctgacttgc	aggccagtg	tctccccgcc	17520
tcccccatgt	ccacgtccct	cacaccttct	gcctgtctgg	gctttggaat	cggacctgag	17580
gctgcccac	tcctcactg	aatagtcatt	cagccttccc	ttctctgagc	ctcctgcccc	17640
tcttttctag	agtgaggggtg	atcttagcac	ctctcagagg	tggcttttgg	ttccgttctg	17700
aggtgaagca	ccaggtggga	gtgcatgggtg	agtggggcag	aactctttcc	ccaccgaggc	17760
gcgcaggcta	gtgctgaatg	gcacttctga	agcgggataa	ccgccccaac	acacgcaccc	17820
agccctgcct	gggacggacc	ttccggaagg	agtgatgctt	gagcccaggt	ctggacaggg	17880
acaggtgttg	ttgcctcagg	tgggggtggga	gggtgggcgtg	gggaagagga	aggtgctcag	17940
tcaggaaact	ggggctgctg	ggggccccct	ttccccagtc	ctatctcacc	tctgtgcagg	18000
gagagctctg	tgggtggccc	gagggcctggg	gccactctcc	tccttgcttg	atggctaccc	18060
aggttcacca	ggggccactg	gggctcccac	cagccccctga	ccctgtgggc	ctgtggcctt	18120
gcaggagaac	gtcagctgcc	tcaacaccag	cctgggtgatc	ctgatgctgg	cccagcgga	18180
agagcggctg	ccctgttacc	tgcggctgtg	gcagcggatg	gagcacagca	agaagtaccc	18240
cggttctctg	ctcaacaact	tccacaacct	gctgcgcttc	tggcagcagc	actacctgca	18300
caaggacaag	gacagcacct	gcctagagaa	cgtgagtgcc	ccacctcaa	gggggtgatg	18360
ggtggggcgc	ggaccagggg	cctctcagag	gggtgtcccg	gtgctgggct	tgacctgggt	18420
cctccaggcg	ccccccagcc	cctccctctt	tgcccagagc	tcctgcatca	gcttctcata	18480
ctggaaggag	acagtgtcca	tcctgttgaa	cccgagaccg	cagtcaccct	ctgctctcgt	18540
tagctacatt	gaggagccct	acatggacat	agacagggac	ttcactgagg	agtgcacctg	18600
ggccaggcct	cgggaggctg	ctgggcccagt	gtgggtgagc	gtgggtacga	tgccacacgc	18660

cctgccctgt tcccgttcct ccctgctgct ctctgcctgc cccaggtcct tgggtacagg 18720  
 cttggtggga gggagtcctt agaagccctt ggtccccctg ggtctgaggg ccctaggtca 18780  
 tggagagcct cagtccccat aatgaggaca gggtagcatg cccaccttc cttcagaacc 18840  
 ctggggccca gggccacca gaggtaaagag gacatttagc attagctctg tgtgagctcc 18900  
 tgccggtttc ttggctgtca gtcagtccca gagtggggag gaagatatgg gtgaccccca 18960  
 cccccatct gtgagccaag cctcccttgt ccctggcctt tggacccagg caaaggcttc 19020  
 tgagccctgg gcaggggtgg tgggtaccag agaatgctgc cttcccccaa gcctgcccct 19080  
 ctgcctcatt ttctgttagc tcctctggtt ctgtttgctc attggccgct gtgttcaccc 19140  
 aaggggggtc tcccagaagt gaggggcctt tccctccatc ccttggggca cggggcagct 19200  
 gtgcccggcc tgcctctgcc tgaggcagcc gtcctgcct gagcctggac atggggccct 19260  
 tccttggtgt gccaatttat taacagcaaa taaaccaatt aaatggagac tattaataaa 19320  
 ctttattttta aaaatgactg ctgtggacct ggcttttgtc cctaggactg tgtttttcct 19380  
 cctgaacccc aaagaaaaga atgagaagga aactggctgt ggtgtttatt cagggcccag 19440  
 ggaaggctga aggcagcagg gggcgatgca gagatggcag gatcggggca ggtggcctca 19500  
 gccagatgtg caacagcaga cattcctcct tagagcccag ggggtcaggc cgtcactcct 19560  
 tgtgctgagg agaaagggat agctgagtga gcagtactac ctgtcagccc ccacagtccc 19620  
 cctgcacaga gagcaatgcc cctgccactc ctcaccttgg ggcccagggc gtcccgggtc 19680  
 cgtgcccgca gcttggtggc ctgggtttcc gccatgtctg cccgctcctc cgcacatcc 19740  
 agctcgtgct gggccttgcc atacttgcc aggttggtgt tggcctgctg ctccctgggg 19800  
 cacacacagg gccttggttc cgcttggtg actgagatgc ttattctggt ccctgcccc 19860  
 gtccaagaag ggagctagct cctcctggtt ctcaactttg ttctattgc cactgtccat 19920  
 cctcaccaat accacagcgg gaataaggaa gttgggacgc accaacttca tgtgcctttt 19980  
 tgtgcctgcc ccacccctca gaggcagccc cagccttggc caggggaaag cacatgggg 20040  
 ctgttccatg agaaggagct aggtctgatc tcccagaga tgtagaagc ttctctcttc 20100  
 cctctgggtc actgacctg gaggggtggag ctgctgctga tgcctcacct ggccacagac 20160  
 cctggggcag agctgggggt cccgggtccag gtgtccaggc cccagcgac tcaccgcctc 20220  
 ctcaaactgg cgcttgtagc tcttgacctt gctctgcagc ttgtccacca ggtcctgcat 20280  
 gcgagccagg ttctt 20295

<210> 2161  
 <211> 188  
 <212> DNA  
 <213> Homo sapiens

<400> 2161  
 tctgcgtgat agttcttcag gttcacttca cagattagct gacacttaac tgttctggaa 60  
 gctggggcaa ggagtgttaa catggaaatt gagtaactat agttttttgc ccaagggtaca 120  
 ggagaataaaa tatgagtaga tagaatctct taaattaaaa atttctccag taaatttttc 180  
 ctaagtct 188